

AUTHOR INDEX

- Abdel-Gawad, M.M. and S.V. Bhat, Evaluation of diffusion coefficient and ionic mobility in $(\text{NH}_4)_4\text{Fe}(\text{CN})_6 \cdot 1.5 \text{H}_2\text{O}$ 28-30 (1988) 647
- Abélard, P., see M.A. Pimenta 28-30 (1988) 224
- Abello, L., see M. Barj 28-30 (1988) 432
- Abraham, F., M.F. Debreuille-Gresse, G. Mairesse and G. Nowogrocki, Phase transitions and ionic conductivity in $\text{Bi}_4\text{V}_2\text{O}_{11}$ an oxide with a layered structure 28-30 (1988) 529
- Abramo, M.C., G. Pizzimenti and G. Carini, Size effects of Ag^+ ion in the computer simulation of $\text{Ag}_2\text{O}-\text{B}_2\text{O}_3$ glasses 28-30 (1988) 148
- Ackermann, H., see A. Schirmer 28-30 (1988) 717
- Adamić, K.J., see S.G. Greenbaum 28-30 (1988) 1042
- Akbar, S.A., see H. Sato 28-30 (1988) 138
- Akhter, S.K., see B.V.R. Chowdari 28-30 (1988) 747
- Akridge, J.R. and H. Vourlis, Performance of Li/TiS_2 solid state batteries using phosphorous chalcogenide network former glasses as solid electrolyte 28-30 (1988) 841
- Alba, M., see T.W.D. Farley 28-30 (1988) 189
- Allitsch, G., see M.W. Breiter 28-30 (1988) 369
- Al-Mummar, I.J., see A. Mierzejewski 28-30 (1988) 778
- Alves, N., see R.M. Faria 28-30 (1988) 1038
- An, S., W. Wu and Q. Liu, Measurement of electronic conductivity and phase ratio for MgO partially stabilized zirconia 28-30 (1988) 546
- Andeen, C.G., see D.R. Figueroa 28-30 (1988) 1023
- Andersen, N.H., see F.W. Poulsen 28-30 (1988) 271
- Andersen, N.H., see S. Hull 28-30 (1988) 488
- Andersen, N.H., see J.J. Bentzen 28-30 (1988) 550
- Andrews, K.C., M. Cole, R.J. Latham, R.G. Linford, H.M. Williams and B.R. Dobson, EXAFS studies on divalent polymeric electrolytes: an investigation of $\text{PEO}_4:\text{CaI}_2$ at room temperature 28-30 (1988) 929
- Anghileri, A., see C.M. Mari 28-30 (1988) 642
- Anselmi Tamburini, U., see G. Spinolo 28-30 (1988) 1602
- Archaimbault, F., P. Odier and J. Choisnet, Non-stoichiometric compounds with a defect CaFe_2O_4 structure: the mixed ferrites $\text{Ca}_{1-x/2}\text{Fe}_{2-x}\text{Sn}_x\text{O}_4$ and $\text{Ca}_{1-(x+y)/2}\text{Li}_y\text{Fe}_{2-x}\text{Sn}_x\text{O}_4$ 28-30 (1988) 1357
- Argoud, J.C., W. Górecki and M. Fouletier, Synthesis and conductivity of $(\text{PEO}, \text{M}_2\text{ZrX}_6)$ electrolytes 28-30 (1988) 1004
- Armand, M., see A. Bouridah 28-30 (1988) 950
- Armand, M., see P. Baudry 28-30 (1988) 1567
- Armand, M., see D. Pedone 28-30 (1988) 1729
- Armand, M.B., see P. Donoso 28-30 (1988) 969
- Armand, M.B., see W. Górecki 28-30 (1988) 1018
- Aronsson, R., L. Börjesson and L.M. Torell, Elastic constants of solid electrolytes; a Brillouin scattering study of $\alpha\text{-AgI}$, fcc Li_2SO_4 and bcc LiAgSO_4 single crystals 28-30 (1988) 204

- Atkinson, A., Surface and interface mass transport in ionic materials 28-30 (1988) 1377
- Atlung, S., see B. Zachau-Christiansen 28-30 (1988) 1176
- Bader, B., see A. Schirmer 28-30 (1988) 717
- Badot, J.C., N. Baffier, A. Fourier-Lamer and Ph. Colomban, Dielectric relaxation: a new technique to study protonic transfer in superionic conductors 28-30 (1988) 1617
- Badwal, S.P.S. and J. Drennan, The effect of thermal history of the grain boundary resistivity of Y-TZP materials 28-30 (1988) 1451
- Badwal, S.P.S., F.T. Ciacchi and W.G. Garrett, Differential response rate technique: a comparison of electrode response of Nernstian sensor cells 28-30 (1988) 1673
- Baffier, N., see J.P. Pereira-Ramos 28-30 (1988) 886
- Baffier, N., see J.C. Badot 28-30 (1988) 1617
- Baffier, N., see L. Znaidi 28-30 (1988) 1750
- Balasubramanyam, D.R., S.V. Bhat, M. Mohan and A.K. Singh, High pressure NMR and compressibility evidence for a phase transition in the protonic conductor $(\text{NH}_4)_4\text{Fe}(\text{CN})_6 \cdot 1.5\text{H}_2\text{O}$ 28-30 (1988) 664
- Balkanski, M., see C. Julien 28-30 (1988) 1167
- Balkanski, M., see I. Samaras 28-30 (1988) 1506
- Bao, Y., see X. Pan 28-30 (1988) 1470
- Baranowski, B., M. Friesel and A. Lundén, Tricritical point in the p - T phase diagram of Ag_2HgI_4 28-30 (1988) 194
- Barj, M., see J.F. Bocquet 28-30 (1988) 411
- Barj, M., K. Chhor, L. Abello, C. Pommier and C. Delmas, Low temperature thermodynamic study on NASICON type solid electrolytes $\text{Na}_3\text{Cr}_2\text{P}_3\text{O}_{12}$ and $\text{Na}_3\text{ZrMgP}_3\text{O}_{12}$ 28-30 (1988) 432
- Barker, J., see R.C.T. Slade 28-30 (1988) 594
- Barrie, J.D., B. Dunn, O.M. Stafsudd, M.A. Saltzberg, R. Seshadri and G.C. Farrington, Structure/optical property relationships in multiple ion exchanged β "-aluminas 28-30 (1988) 344
- Bates, J.B. and J.C. Wang, Dielectric response of ionic conductors 28-30 (1988) 115
- Bates, J.B. and Y.T. Chu, Surface topography and electrical response of metal-electrolyte interface 28-30 (1988) 1388
- Baudry, P., M. Armand, M. Gauthier and J. Masounave, In situ observation by SEM of positive composite electrodes during discharge of polymer lithium batteries 28-30 (1988) 1567
- Becker, K.D. and F. Rau, High-temperature ligand field spectra and cation disorder and dynamics in spinels: CoAl_2O_4 28-30 (1988) 1290
- Bell, R.G. and M.T. Weller, Structure of the proton conductor, cubic $\text{HSbO}_3 \cdot x\text{H}_2\text{O}$ 28-30 (1988) 601
- Benjamin, J.D., see J. Upton 28-30 (1988) 1486
- Bentzen, J.J., N.H. Andersen, F.W. Poulsen, O.T. Sørensen and R. Schram, Evaluation of 2- and 4-point conductivity measurements on oxide ion conductors 28-30 (1988) 550
- Berera, G., see R.B. Goldner 28-30 (1988) 1715
- Berthier, C., see P. Donoso 28-30 (1988) 969
- Berthier, C., see W. Górecki 28-30 (1988) 1018
- Betz, G. and H. Tributsch, Light-induced proton transfer reactions at polymer/electrolyte interfaces 28-30 (1988) 1197
- Bhat, S.V., see M.M. Abdel-Gawad 28-30 (1988) 647
- Bhat, S.V., see D.R. Balasubramanyam 28-30 (1988) 664
- Billat, R., see V. Clément 28-30 (1988) 1572

- Billi, F., H.E. Roman and W. Dieterich, Theory of density profiles in α -AgI-type superionic compounds 28-30 (1988) 58
- Biro, D., see J. Salardenne 28-30 (1988) 1648
- Bittihn, R., see D. Naegele 28-30 (1988) 983
- Black, B.E., see R. Frech 28-30 (1988) 954
- Blender, R. and W. Dieterich, Random ac-networks in the theory of inhomogeneous ionic conductors 28-30 (1988) 82
- Bocquet, J.F., M. Barj, G. Lucazeau and G. Mariotto, Potential energy calculation and conductivity mechanism in $\text{Na}_3\text{Cr}_2\text{P}_3\text{O}_{12}$ and $\text{Na}_{1+x}\text{Zr}_{2-x}\text{Cr}_x\text{P}_3\text{O}_{12}$ 28-30 (1988) 411
- Boher, P., see J.R. Gavarri 28-30 (1988) 1352
- Boilot, J.-P., see G. Collin 28-30 (1988) 324
- Boilot, J.-P., see G. Collin 28-30 (1988) 427
- Boilot, J.-P., see G. Collin 28-30 (1988) 437
- Boilot, J.P., Ph. Colomban and G. Collin, Stoichiometry: structure - fast ion conduction in the NASICON solid solution 28-30 (1988) 403
- Boissier, M., see L. Börjesson 28-30 (1988) 770
- Boivin, J.C., see C. Follet-Houttemane 28-30 (1988) 458
- Boivin, J.C., see M. Dumélié 28-30 (1988) 524
- Boller, H. and R. Quint, On the crystal structure of hollandite-like $\text{Ti}_x\text{V}_5\text{S}_8$. Evidence for one-dimensional cation order 28-30 (1988) 254
- Bonanos, N., B. Ellis and M.N. Mahmood, Oxide ion conduction in ytterbium-doped strontium cerate 28-30 (1988) 579
- Bonino, F., A. Selvaggi and B. Scrosati, Li/LiV₃O₈ polymer electrolyte rechargeable batteries 28-30 (1988) 853
- Bonnat, M., see E. Siebert 28-30 (1988) 1693
- Borchardt, G., see G. Róg 28-30 (1988) 1254
- Börjesson, L., see R. Aronsson 28-30 (1988) 204
- Börjesson, L., L.M. Torell, R. Vacher, J. Pelous and M. Boissier, Short time dynamics and acoustic properties of $x\text{LiCl}-0.5\text{Li}_2\text{O}-\text{B}_2\text{O}_3$ glasses between 5 and 700 K 28-30 (1988) 770
- Börjesson, L., see S. Schantz 28-30 (1988) 1047
- Borthomieu, Y., see C. Delmas 28-30 (1988) 1132
- Boukamp, B.A., see G.A. Wiegers 28-30 (1988) 1116
- Boukamp, B.A., I.C. Vinke, K. Seshan, K.J. de Vries and A.J. Burggraaf, Influence of electrode geometry and NLLS fit analysis of $I-V$ measurements in a three-electrode cell 28-30 (1988) 1187
- Boukamp, B.A., see I.C. Vinke 28-30 (1988) 1201
- Bouridah, A., F. Dalard and M. Armand, Utilisation of poly(decaviologen) as anion specific electrode for organic polymer electrolyte 28-30 (1988) 950
- Boysen, H., see G. Lorenz 28-30 (1988) 497
- Braconnier, J.J., see C. Delmas 28-30 (1988) 1132
- Bredikhin, S.I., N.N. Kovaleva and N.V. Lichkova, Electron emission in RbAg_4I_5 crystals stimulated by phase transitions 28-30 (1988) 200
- Bredikhin, S.I., N.N. Kovaleva, I.Sh. Khasanov and N.N. Lichkova, Effect of ion implantation and additive colouring on the electron centers in RbAg_4I_5 superionic crystals 28-30 (1988) 280
- Breiter, M.W., M. Maly-Schreiber, G. Allitsch and P. Linhardt, Properties of polycrystalline β'' -alumina isomorphs 28-30 (1988) 369

- Breiter, M.W., H. Drstak and M. Maly-Schreiber, Impedance studies of the cell Ag/AgI/Ag β "-alumina/AgI/Ag 28-30 (1988) 1402
- Breitey, E., see F. d'Yvoire 28-30 (1988) 1259
- Bridges, C. and A.V. Chadwick, Activation volumes for ion diffusion in polyether electrolytes 28-30 (1988) 965
- Brinkmann, D., see J. Roos 28-30 (1988) 710
- Brinkmann, D., see W. Górecki 28-30 (1988) 1018
- Brinkmann, D., see M. Mali 28-30 (1988) 1089
- Brinkmann, D., see K.-D. Junke 28-30 (1988) 1287
- Brinkmann, D., see K.-D. Junke 28-30 (1988) 1329
- Brophy, J.J., see C.K. Kuo 28-30 (1988) 396
- Brown, S.H. and R. Frech, Proton injection studies in lithium hydrazinium sulfate 28-30 (1988) 607
- Bruce, J.A., C.C. Hunter and M.D. Ingram, Mixed cation effects, site selectivities and electric modulus spectroscopy in β -alumina solid electrolytes 28-30 (1988) 306
- Bruce, P.G., J. Evans and C.A. Vincent, Conductivity and transference number measurements on polymer electrolytes 28-30 (1988) 918
- Brunner, A., see W. Sitte 28-30 (1988) 1324
- Buckley, R.G., J.L. Tallon and J.F. Clare, Impedance spectroscopy of the zeolite catalyst ZSM-5 28-30 (1988) 245
- Bunde, A., Anomalous transport in disordered media 28-30 (1988) 34
- Burattini, E., see G. Dalba 28-30 (1988) 713
- Burckhardt, W., B. Rudolph and U. Schütz, New Li⁺-ion conducting glasses 28-30 (1988) 739
- Burggraaf, A.J., see B.A. Boukamp 28-30 (1988) 1187
- Burggraaf, A.J., see I.C. Vinke 28-30 (1988) 1201
- Burret, P.A., see C. Julien 28-30 (1988) 1167
- Cahen, D., see D. Soltz 28-30 (1988) 1105
- Cai, J., see S. Li 28-30 (1988) 1265
- Calame, J.P., see D.R. Figueroa 28-30 (1988) 1023
- Canaday, J.D., see J. Gulens 28-30 (1988) 622
- Canonne, J., see C. Follet-Houttemane 28-30 (1988) 458
- Careem, M.A., see M.A.K.L. Dissanayake 28-30 (1988) 1093
- Carillo-Cabrera, W. and J.B. Wagner Jr., The effect of high temperature pre-annealing on the electrical conductivity of polycrystalline nickel oxide at intermediate temperatures 28-30 (1988) 1396
- Carini, G., see M.C. Abramo 28-30 (1988) 148
- Carrillo-Cabrera, W., J.O. Thomas and G.C. Farrington, The structure of the lanthanide Gd³⁺, Eu³⁺ and Nd³⁺ β "-aluminas 28-30 (1988) 317
- Casciola, M., U. Costantino and S. D'Amico, Ac conductivity of cerium (IV) phosphate in hydrogen form 28-30 (1988) 617
- Catti, M., see C.M. Mari 28-30 (1988) 642
- Cazzanelli, E., see R. Frech 28-30 (1988) 220
- Chabre, Y., P. Deniard and R. Yazami, Electrochemical lithium intercalation in zirconium diselenide: study of the effect of the host compound stoichiometry 28-30 (1988) 1153
- Chadwick, A.V., K. Flack, J.H. Strange and J. Harding, Defect structures and ionic transport in lithium oxide 28-30 (1988) 185
- Chadwick, A.V., see C. Bridges 28-30 (1988) 965
- Champarnaud-Mesjard, J.C., see C. Follet-Houttemane 28-30 (1988) 458

- Chandra, S., S.K. Tolpadi and S.A. Hashmi, Transient ionic current measurement of ionic mobilities in a few proton conductors 28-30 (1988) 651
- Chandrayan, V.R., see K. Singh 28-30 (1988) 228
- Chapman, R., see R.B. Goldner 28-30 (1988) 1715
- Chaudhari, B.M., see K. Singh 28-30 (1988) 752
- Chazalviel, J.-N., see B. Sapoval 28-30 (1988) 1441
- Chen, C., see G. Meng 28-30 (1988) 533
- Chen, C., see K. Hu 28-30 (1988) 566
- Chen, L., see G. Xu 28-30 (1988) 1726
- Chen, L., Oxide superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and its derivatives 28-30 (1988) 1745
- Cheng, L.-Y., S. Crouch-Baker and R.A. Huggins, Dc conductivity studies on " Li_5AlO_4 " at intermediate temperatures and its possible application for the electrolysis of water 28-30 (1988) 656
- Cheradame, H., see J.F. le Nest 28-30 (1988) 1032
- Cherng, J.Y., M.Z.A. Munshi, B.B. Owens and W.H. Smyrl, Applications of multivalent ionic conductors to polymeric electrolyte batteries 28-30 (1988) 857
- Chhor, K., see M. Barj 28-30 (1988) 432
- Chiodelli, G., see C.M. Mari 28-30 (1988) 642
- Chiodelli, G., P. Ferloni, A. Magistris and M. Sanesi, Ionic conduction and thermal properties of poly(ethylene oxide)-lithium tetrafluoroborate films 28-30 (1988) 1009
- Chiodelli, G., see G. Spinolo 28-30 (1988) 1602
- Chiodelli, G. and M. Villa, A performing impedance spectroscopy system 28-30 (1988) 1607
- Chiodelli, G., see M. Scagliotti 28-30 (1988) 1766
- Chippindale, A.M., see P.G. Dickens 28-30 (1988) 1123
- Choisnet, J., see F. Archaimbault 28-30 (1988) 1357
- Chowdari, B.V.R., R. Gopalakrishnan, S.H. Tang and M.H. Kuok, Characterization of $\text{Ag}_2\text{O}:\text{MoO}_3:\text{P}_2\text{O}_5$ glasses 28-30 (1988) 704
- Chowdari, B.V.R. and S.K. Akhter, Ionic transport studies of lithium phosphoarsenate glassy system 28-30 (1988) 747
- Chrysikos, G.D., see E.I. Kamitsos 28-30 (1988) 687
- Chu, W.F. and F.J. Rohr, Catalytic reduction of nitric oxide in flue gas 28-30 (1988) 1540
- Chu, Y.T., see J.B. Bates 28-30 (1988) 1388
- Ciacchi, F.T., see S.P.S. Badwal 28-30 (1988) 1673
- Clare, J.F., see R.G. Buckley 28-30 (1988) 245
- Clausen, K., see S. Hull 28-30 (1988) 488
- Clausen, K.N., see F.W. Poulsen 28-30 (1988) 271
- Clément, V., D. Ravaine, C. Déportes and R. Billat, Measurement of Hall mobilities in $\text{AgPO}_3\text{-AgI}$ glasses 28-30 (1988) 1572
- Cogan, S.F., see R.D. Rauh 28-30 (1988) 1707
- Cole, M., see K.C. Andrews 28-30 (1988) 929
- Collin, G., R. Comes, J.-P. Boilot and P. Colomban, Structure, ion-ion correlation and compensation mechanisms in β - and β'' -alumina 28-30 (1988) 324
- Collin, G., see J.P. Boilot 28-30 (1988) 403
- Collin, G., R. Comes, J.-P. Boilot and P. Colomban, The monoclinic phase of true NASICON: structure, correlations and transition 28-30 (1988) 427
- Collin, G., R. Comes, J.-P. Boilot and P. Colomban, NASICON analog $\text{Na}_3\text{Sc}_2(\text{PO}_4)_3$: thermal behaviour of the α , β and γ types, structure, correlations and transitions 28-30 (1988) 437
- Collin, G., see F. d'Yvoire 28-30 (1988) 1259

- Colomban, P., see G. Collin 28-30 (1988) 324
 Colomban, P., see G. Collin 28-30 (1988) 427
 Colomban, P., see G. Collin 28-30 (1988) 437
 Colomban, Ph., see J.P. Boilot 28-30 (1988) 403
 Colomban, Ph., see J.C. Badot 28-30 (1988) 1617
 Comes, R., see G. Collin 28-30 (1988) 324
 Comes, R., see G. Collin 28-30 (1988) 427
 Comes, R., see G. Collin 28-30 (1988) 437
 Corradini, A., A.M. Marinangeli, M. Mastragostino and B. Scrosati, Polydithienothiophene: a conducting polymer as electrochromic material 28-30 (1988) 1738
 Costantino, U., see M. Casciola 28-30 (1988) 617
 Coucou, A. and M. Figlarz, A new tungsten oxide with 3D tunnels: WO₃ with the pyrochlore-type structure 28-30 (1988) 1762
 Croce, F., S. Panero, P. Prosperi and B. Scrosati, Electrochemical characterization of a polymer/polymer, rechargeable solid-state lithium cell 28-30 (1988) 895
 Cros, B., see A. Zerouale 28-30 (1988) 1317
 Crouch-Baker, S. and R.A. Huggins, Phase behavior in the Li-Al-O-H system at intermediate temperatures 28-30 (1988) 611
 Crouch-Baker, S., see L.-Y. Cheng 28-30 (1988) 656
 Crouch-Baker, S., see P.G. Dickens 28-30 (1988) 1294
 Cruege, F., see M.F. Daniel 28-30 (1988) 637
 Cutroni, M. and J. Pelous, Ultrasonic spectra of the (AgI)_x(AgPO₃)_{1-x} systems in the temperature range below T_g 28-30 (1988) 788
- Dagan, G., see D. Soltz 28-30 (1988) 1105
 Dahlborg, U., see B. Graneli 28-30 (1988) 284
 Dalard, F., see A. Bouridah 28-30 (1988) 950
 Dalba, G., P. Fornasini, A. Fontana, F. Rocca and E. Burattini, EXAFS structural studies on (AgI)_x(Ag₂O·4B₂O₃)_{1-x} glasses 28-30 (1988) 713
 D'Amico, S., see M. Casciola 28-30 (1988) 617
 Daniel, M.F., B. Desbat and J.C. Lassegues, Solid state protonic conductors: complexation of poly(ethylene oxide) or poly(acrylic acid) with NH₄HSO₄ 28-30 (1988) 632
 Daniel, M.F., B. Desbat, F. Cruege, O. Trinquet and J.C. Lassegues, Solid state protonic conductors: poly(ethylene imine) sulfates and phosphates 28-30 (1988) 637
 Davies, P.K. and F.H. Garzon, Studies of the equilibrium behaviour of crystalline fast-ionically conducting systems 28-30 (1988) 348
 Davies, P.K., see G.S. Rohrer 28-30 (1988) 354
 Davies, P.K., see R.B. Queenan 28-30 (1988) 358
 Davies, P.K., see F.H. Garzon 28-30 (1988) 377
 Davies, P.K., see M.A. Saltzberg 28-30 (1988) 386
 Davies, P.K., see T.P. Feist 28-30 (1988) 1338
 Debreuille-Gresse, M.F., see F. Abraham 28-30 (1988) 529
 Defendini, F., see P. Donoso 28-30 (1988) 969
 De Guibert, A., see M. Nabavi 28-30 (1988) 1183
 Dekker, M., R.A. Kalwij, J. Schram and J. Schoonman, Impedance spectroscopy of sulphate solid electrolytes 28-30 (1988) 1682
 Delmas, C., A. Nadiri and J.L. Soubeyroux, The NASICON-type titanium phosphates ATi₂(PO₄)₃ (A=Li, Na) as electrode materials 28-30 (1988) 419

- Delmas, C., see M. Barj 28-30 (1988) 432
- Delmas, C., J.J. Braconnier, Y. Borthomieu and M. Figlarz, From sodium nickelate to nickel hydroxide 28-30 (1988) 1132
- Delord, V., see L. Jourdaine 28-30 (1988) 1490
- Deniard, P., see Y. Chabre 28-30 (1988) 1153
- De Piccioto, L.A., M.M. Thackeray and G. Pistoia, An electrochemical study of the systems $\text{Li}_{1+x}\text{V}_2\text{O}_4$ and $\text{Li}_{1-x}\text{VO}_2$ ($0 \leq x \leq 1$) 28-30 (1988) 1364
- De Picciotto, L.A., see G. Pistoia 28-30 (1988) 879
- Déportes, C., see V. Clément 28-30 (1988) 1572
- Deroide, B., see A. Zerouale 28-30 (1988) 1317
- Deroo, D., see D. Pedone 28-30 (1988) 1729
- Desbat, B., see M.F. Daniel 28-30 (1988) 632
- Desbat, B., see M.F. Daniel 28-30 (1988) 637
- Deshpande, V.K., see K. Singh 28-30 (1988) 228
- Deshpande, V.K., see K. Singh 28-30 (1988) 267
- Deshpande, V.K., A. Pradel and M. Ribes, Influence of Al_2S_3 on the electrical conductivity of the Li_2S - SiS_2 glass system 28-30 (1988) 756
- Deshpande, V.K., see K. Singh 28-30 (1988) 821
- Deublein, G., B.Y. Liaw and R.A. Huggins, Controlled electrolyte environments and their use for studying and modifying materials properties: potentials for employment in practical devices 28-30 (1988) 1078
- Deublein, G., B.Y. Liaw and R.A. Huggins, Hydrogen-conducting electrolyte configurations 28-30 (1988) 1084
- Deublein, G., B.Y. Liaw and R.A. Huggins, Novel electrochemical hydrogen sensors for use at elevated temperatures 28-30 (1988) 1660
- De Vries, K.J., see B.A. Boukamp 28-30 (1988) 1187
- De Vries, K.J., see I.C. Vinke 28-30 (1988) 1201
- Dianoux, A.J., see J.R. Gavarri 28-30 (1988) 1352
- Dianoux, A.J., see G. Lucazeau 28-30 (1988) 1611
- Dickens, P.G., A.V. Powell and A.M. Chippindale, Alkali metal insertion compounds of uranium oxides 28-30 (1988) 1123
- Dickens, P.G., A.T. Short and S. Crouch-Baker, The crystal structure of $\text{D}_{1.7}\text{MoO}_3$ by powder neutron diffraction 28-30 (1988) 1294
- Dieterich, W., see F. Billi 28-30 (1988) 58
- Dieterich, W., see R. Blender 28-30 (1988) 82
- Dissanayake, M.A.K.L. and M.A. Careem, Electrical conductivity of the Li_2SO_4 - CaSO_4 and Li_2SO_4 - MgSO_4 systems 28-30 (1988) 1093
- Dobson, B.R., see K.C. Andrews 28-30 (1988) 929
- Dohy, D., see G. Lucazeau 28-30 (1988) 1611
- Dokiya, M., see T. Kawada 28-30 (1988) 210
- Dolde, K., see K.D. Kreuer 28-30 (1988) 589
- Dominquez, L. and W.H. Meyer, Solid polyelectrolytes 28-30 (1988) 941
- Dongui, B., see J. Guitton 28-30 (1988) 847
- Donoso, P., W. Górclo, C. Berthier, F. Defendini, C. Poinsignon and M.B. Armand, NMR, conductivity and neutron scattering investigation of ionic dynamics in the anhydrous polymer protonic conductor $\text{PEO}(\text{H}_3\text{PO}_4)_x$ 28-30 (1988) 969
- Donoso, P., see W. Górecki 28-30 (1988) 1018

- Dorris, S., see M. Martin 28-30 (1988) 1230
 Dransfeld, K., see S. Mühlherr 28-30 (1988) 1495
 Drennan, J., see S.P.S. Badwal 28-30 (1988) 1451
 Drstak, H., see M.W. Breiter 28-30 (1988) 1402
 Druger, S.D., see R. Granek 28-30 (1988) 120
 Duclot, M.J., see A.C. Martins Rodrigues 28-30 (1988) 729
 Duclot, M.J., see M. Levy 28-30 (1988) 736
 Duclot, M.J., see A.C. Martins Rodrigues 28-30 (1988) 766
 Dudney, N.J., Enhanced ionic conductivity in composite electrolytes 28-30 (1988) 1065
 Dumélié, M., G. Nowogrocki and J.C. Boivin, Ionic conductor membrane for oxygen separation 28-30 (1988) 524
 Duncan, G.K. and A.R. West, The stoichiometry of β'' -alumina: phase diagram studies in the system $\text{Na}_2\text{O}-\text{MgO}-\text{Li}_2\text{O}-\text{Al}_2\text{O}_3$ 28-30 (1988) 338
 Dunn, B., B.B. Schwarz, J.O. Thomas and P.E.D. Morgan, Preparation and structure of Li-stabilized Na^+ β'' -alumina single crystals 28-30 (1988) 301
 Dunn, B., see J.D. Barrie 28-30 (1988) 344
 Duran, P., see J.R. Jurado 28-30 (1988) 518
 Durga Rani, A., see K. Hariharan 28-30 (1988) 799
 D'Yvoire, F., E. Bretey and G. Collin, Crystal structure, non-stoichiometry and conductivity of $\text{II}-\text{Na}_3\text{M}_2(\text{AsO}_4)_3$ ($\text{M}=\text{Al}, \text{Ga}, \text{Cr}, \text{Fe}$) 28-30 (1988) 1259

 Echegut, P., see M.A. Pimenta 28-30 (1988) 224
 Edström, K., J.O. Thomas and G.C. Farrington, Structural evidence for the interstitialcy mechanism in β -alumina 28-30 (1988) 363
 El Barhmi, A., E.J.L. Schouler, A. Hammou and M. Kleitz, Influence of quenching on the electrical properties of yttria-stabilized zirconia 28-30 (1988) 493
 Ellis, B., see N. Bonanos 28-30 (1988) 579
 Erata, T., see Y. Onoda 28-30 (1988) 179
 Erofeev, V.N. and E. Hartmann, Increased electrical conductivity in alkali halide crystals 28-30 (1988) 241
 Evans, J., see P.G. Bruce 28-30 (1988) 918

 Fan, Y.-Q., Cation diffusion and conduction in solid electrolytes Li, Na -montmorillonites 28-30 (1988) 1596
 Fanjat, N., see G. Lucazeau 28-30 (1988) 1611
 Faria, R.M., N. Alves and G.F. Leal Ferreira, Transient ionic electrical current in samples of PVDF due to dissociated bulk water 28-30 (1988) 1038
 Farley, T.W.D., W. Hayes, S. Hull, R. Ward, M.T. Hutchings and M. Alba, The dynamic properties of lithium oxide investigated by neutron scattering techniques 28-30 (1988) 189
 Farley, T.W.D., see S. Hull 28-30 (1988) 488
 Farley, T.W.D., see M.T. Hutchings 28-30 (1988) 1208
 Farrington, G.C., see W. Carrillo-Cabrera 28-30 (1988) 317
 Farrington, G.C., see J.D. Barrie 28-30 (1988) 344
 Farrington, G.C., see G.S. Rohrer 28-30 (1988) 354
 Farrington, G.C., see K. Edström 28-30 (1988) 363
 Farrington, G.C., see M.A. Saltzberg 28-30 (1988) 386
 Farrington, G.C., see R. Huq 28-30 (1988) 990

- Farrington, G.C., see G.S. Rohrer 28-30 (1988) 1142
- Fauteux, D., J. Prud'homme and P.E. Harvey, Electrochemical stability and ionic conductivity of some polymer-LiX based electrolytes 28-30 (1988) 923
- Fauteux, D., see B. Marsan 28-30 (1988) 1058
- Feist, T.P., S.J. Mocarski, P.K. Davies, A.J. Jacobson and J.T. Lewandowski, Formation of $\text{TiO}_2(\text{B})$ by proton exchange and thermolysis of several alkali metal titanate structures 28-30 (1988) 1338
- Ferloni, P., see G. Chiodelli 28-30 (1988) 1009
- Figlarz, M., see C. Delmas 28-30 (1988) 1132
- Figlarz, M., see A. Coucou 28-30 (1988) 1762
- Figueroa, D.R., J.J. Fontanella, M.C. Wintersgill, J.P. Calame and C.G. Andeen, TSDC and DR studies on PEO complexed with inorganic salts 28-30 (1988) 1023
- Fischer, P., see B. Graneli 28-30 (1988) 284
- Flack, K., see A.V. Chadwick 28-30 (1988) 185
- Foley, G., see R.B. Goldner 28-30 (1988) 1715
- Follet-Houttemane, C., J. Canonne, J.C. Boivin, J.C. Champarnaud-Mesjard, D. Mercurio, B. Frit and G. Roult, Electrical properties and high temperature crystal structure of the bismuth lead oxyfluoride: BiPbO_2F 28-30 (1988) 458
- Fontana, A., see G. Dalba 28-30 (1988) 713
- Fontana, A., F. Rocca and A. Tomasi, Fractal interpretation of Raman scattering on $\text{AgI}:\text{Ag}_2\text{O}:\text{B}_2\text{O}_3$ 28-30 (1988) 722
- Fontanella, J.J., see D.R. Figueroa 28-30 (1988) 1023
- Fontanella, J.J., see S.G. Greenbaum 28-30 (1988) 1042
- Forestier, M., see J. Guitton 28-30 (1988) 847
- Fornasini, P., see G. Dalba 28-30 (1988) 713
- Fouletier, J., see E. Siebert 28-30 (1988) 1693
- Fouletier, M., see J.C. Argoud 28-30 (1988) 1004
- Fouletier, M., see P. Ge 28-30 (1988) 1172
- Fouletier, M., see P. Ge 28-30 (1988) 1701
- Fourier-Lamer, A., see J.C. Badot 28-30 (1988) 1617
- Franceschetti, D.R. and E.E. Hellstrom, Impedance spectra of polycrystalline Ba-, Cd-, and Sr- β "-alumina 28-30 (1988) 381
- Fray, D.J., see R.V. Kumar 28-30 (1988) 1688
- Frech, R. and E. Cazzanelli, Sulfate ion time correlation functions in cubic lithium sulfate 28-30 (1988) 220
- Frech, R., see S.H. Brown 28-30 (1988) 607
- Frech, R., J. Manning, D. Teeters and B.E. Black, Vibrational spectroscopic study of a low frequency polymer backbone mode in poly(propylene oxide)-sodium thiocyanate complexes 28-30 (1988) 954
- Frech, R., see J. Sandahl 28-30 (1988) 958
- Freiländer, P., see A. Schirmer 28-30 (1988) 717
- Frey, F., see G. Lorenz 28-30 (1988) 497
- Friesel, M., see B. Baranowski 28-30 (1988) 194
- Frit, B., see C. Follet-Houttemane 28-30 (1988) 458
- Frit, B., see J.P. Laval 28-30 (1988) 1300
- Frostäng, S., J. Grins and M. Nygren, Phase analysis and ionic conductivity studies of the system $\text{Na}_{1.8}\text{Be}_{0.9}\text{Si}_{1.1}\text{O}_4\text{-Na}_{1.8}\text{Zn}_{0.9}\text{Si}_{1.1}\text{O}_4$ 28-30 (1988) 237

- Fujiki, Y., see S. Yoshikado 28-30 (1988) 173
 Fujiki, Y., see Y. Onoda 28-30 (1988) 179
 Fujiki, Y., see M. Watanabe 28-30 (1988) 257
 Funke, K., Jump relaxation in solid ionic conductors 28-30 (1988) 100
 Futagami, T., see K. Yamashita 28-30 (1988) 660
- Gandini, A., see J.F. le Nest 28-30 (1988) 1032
 Garnier, P., see J.R. Gavarri 28-30 (1988) 1352
 Garrett, W.G., see S.P.S. Badwal 28-30 (1988) 1673
 Garzon, F.H., see P.K. Davies 28-30 (1988) 348
 Garzon, F.H. and P.K. Davies, Thermal transitions in divalent β'' -aluminas 28-30 (1988) 377
 Garzon, F.H., see M.A. Saltzberg 28-30 (1988) 386
 Gauthier, M., see P. Baudry 28-30 (1988) 1567
 Gavarri, J.R., P. Garnier, P. Boher and A.J. Dianoux, Quasielastic neutron scattering study of proton motions in chemical and electrochemical PbO_2 oxides 28-30 (1988) 1352
 Ge, P. and M. Foulletier, Electrochemical intercalation of sodium in graphite 28-30 (1988) 1172
 Ge, P., E. Siebert and M. Foulletier, Chemically modified PTFE-carbon as a solid state oxygen sensor electrode material 28-30 (1988) 1701
 Genossar, J. and D.S. Tannhauser, The nature of ESR centers in reduced stabilized zirconia 28-30 (1988) 503
 Gerards, A.G., see G.A. Wiegers 28-30 (1988) 1116
 Gervais, F., see M.A. Pimenta 28-30 (1988) 224
 Ghandi, P.R., see K. Singh 28-30 (1988) 752
 Giuntini, J.C., J.V. Zanchetta and F. Henn, Model of ac conductivity in protonic conductors 28-30 (1988) 142
 Głowinkowski, S., see W. Wiecezorek 28-30 (1988) 1014
 Golden, S.J. and B.C.H. Steele, Thin-film tin-doped indium oxide counter-electrode for electrochromic applications 28-30 (1988) 1733
 Goldner, R.B., T.E. Haas, G. Seward, K.K. Wong, P. Norton, G. Foley, G. Berera, G. Wei, S. Schulz and R. Chapman, Thin film solid state ionic materials for electrochromic smart windowTM glass 28-30 (1988) 1715
 Gopalakrishnan, R., see B.V.R. Chowdari 28-30 (1988) 704
 Göpel, W., U. Kirner, H.D. Wiemhöfer and G. Rocker, Surface and bulk properties of TiO_2 in relation to sensor applications 28-30 (1988) 1423
 Göpel, W., see K.D. Schierbaum 28-30 (1988) 1631
 Górecki, W., see J.C. Argoud 28-30 (1988) 1004
 Górecki, W., P. Donoso, C. Berthier, M. Mali, J. Roos, D. Brinkmann and M.B. Armand, NMR, DSC and conductivity study of the polymer solid electrolytes $\text{P}(\text{EO})(\text{C}_{p+1}\text{F}_{2p+3}\text{SO}_3)_x$ 28-30 (1988) 1018
 Górecki, W., see P. Donoso 28-30 (1988) 969
 Gouyet, J.F., Structure of diffusion fronts in systems of interacting particles 28-30 (1988) 72
 Grande-Fernández, D., see N. Valverde-Diez 28-30 (1988) 1697
 Granek, R., A. Nitzan, S.D. Druger and M.A. Ratner, Dynamics of ionic motion in polymeric ionic conductors 28-30 (1988) 120
 Granéli, B., see K.-D. Junke 28-30 (1988) 1287
 Granéli, B., U. Dahlborg and P. Fischer, Neutron powder diffraction investigation of γ - and β -copper chloride in the temperature range 8-686 K 28-30 (1988) 284

- Gray, F.M., C.A. Vincent and M. Kent, Dielectric studies of poly(ethylene oxide)-based polymer electrolytes using time-domain spectroscopy 28-30 (1988) 936
- Greenbaum, S.G., K.J. Adamić, Y.S. Pak, M.C. Wintersgill and J.J. Fontanella, NMR, DSC and electrical conductivity studies of MEEP complexed with NaCF_3SO_3 28-30 (1988) 1042
- Grins, J., see S. Frostäng 28-30 (1988) 237
- Guesdon, J.P., see I. Samaras 28-30 (1988) 1506
- Guitton, J., B. Dongui, R. Mosdale and M. Forestier, New negative metallic electrode for solid batteries with a solid protonic conductor (SPC) as electrolyte 28-30 (1988) 847
- Gulens, J., T.H. Longhurst, A.K. Kuriakose and J.D. Canaday, Hydrogen electrolysis using a NASICON solid protonic conductor 28-30 (1988) 622
- Haange, R.J., see G.A. Wiegers 28-30 (1988) 1116
- Haas, T.E., see R.B. Goldner 28-30 (1988) 1715
- Hackett, M.A., see S. Hull 28-30 (1988) 488
- Hackett, M.A., see M.T. Hutchings 28-30 (1988) 1208
- Hagenmuller, P., see J.M. Reau 28-30 (1988) 792
- Hammou, A., see A. El Barhmi 28-30 (1988) 493
- Hammouche, A. and E.J.L. Schouler, Electrical and thermal properties of Sr-doped lanthanum manganites 28-30 (1988) 1205
- Hampele, M., see K.D. Kreuer 28-30 (1988) 589
- Hampton, R.N., see A. Mierzejewski 28-30 (1988) 778
- Hamwi, A., see R. Yazami 28-30 (1988) 1756
- Han, X., see G. Meng 28-30 (1988) 533
- Harding, J., see A.V. Chadwick 28-30 (1988) 185
- Hariharan, K. and A. Durga Rani, Transport studies on superionic $\text{AgI-Ag}_2\text{O-CrO}_3$ glasses 28-30 (1988) 799
- Hariharan, K., see R. Kaushik 28-30 (1988) 732
- Hartmann, E., see V.N. Erofeev 28-30 (1988) 241
- Hartmann, E., V.V. Peller and G.I. Rogalski, Electrical conductivity of fluoride eutectic composites 28-30 (1988) 1098
- Harvey, P.E., see D. Fauteux 28-30 (1988) 923
- Hashmi, S.A., see S. Chandra 28-30 (1988) 651
- Hayes, W., see T.W.D. Farley 28-30 (1988) 189
- Hayes, W., see S. Hull 28-30 (1988) 488
- Hayes, W., see M.T. Hutchings 28-30 (1988) 1208
- Heitjans, P., see A. Schirmer 28-30 (1988) 717
- Hellstrom, E.E., see D.R. Franceschetti 28-30 (1988) 381
- Henn, F., see J.C. Giuntini 28-30 (1988) 142
- Hiratani, M., K. Miyauchi and T. Kudo, Effect of a lithium alloy layer inserted between a lithium anode and a solid electrolyte 28-30 (1988) 1406
- Hiratani, M., K. Miyauchi and T. Kudo, Electrode reaction at the interface between a lithium anode and a solid electrolyte 28-30 (1988) 1431
- Hruschka, H., E. Lissel and M. Jansen, Na-ion conduction in the solid solutions of $\text{Na}_3\text{PO}_4/\text{Na}_2\text{SO}_4$ and $\text{Na}_3\text{AlF}_6/\text{Na}_2\text{SO}_4$ 28-30 (1988) 159
- Hu, K., C. Chen, D. Peng and G. Meng, Bi_2O_3 -based oxide ion conductors doped with mixed heavy rare earth oxides 28-30 (1988) 566
- Huggins, R.A., see S. Crouch-Baker 28-30 (1988) 611

- Huggins, R.A., see L.-Y. Cheng 28-30 (1988) 656
Huggins, R.A., see M. Maly-Schreiber 28-30 (1988) 873
Huggins, R.A., see G. Deublein 28-30 (1988) 1078
Huggins, R.A., see G. Deublein 28-30 (1988) 1084
Huggins, R.A., see G. Deublein 28-30 (1988) 1660
Hull, S., see T.W.D. Farley 28-30 (1988) 189
Hull, S., T.W.D. Farley, M.A. Hackett, W. Hayes, R. Osborn, N.H. Andersen, K. Clausen, M.T. Hutchings and W.G. Stirling, Quasielastic diffuse neutron scattering from yttria-stabilized zirconia at elevated temperatures 28-30 (1988) 488
Hull, S., see M.T. Hutchings 28-30 (1988) 1208
Hunter, C.C., see J.A. Bruce 28-30 (1988) 306
Huntz, A.M., see G. Petot-Ervas 28-30 (1988) 1244
Huq, R. and G.C. Farrington, Ion transport in divalent cation complexes of poly(ethylene oxide) 28-30 (1988) 990
Hutchings, M.T., see T.W.D. Farley 28-30 (1988) 189
Hutchings, M.T., see S. Hull 28-30 (1988) 488
Hutchings, M.T., T.W.D. Farley, M.A. Hackett, W. Hayes, S. Hull and U. Steinberger, Neutron scattering investigation of lattice dynamics and thermally induced disorder in the antiferroite Mg_2Si 28-30 (1988) 1208
Ikenoya, N., see N. Kumagai 28-30 (1988) 862
Imai, S., see T. Ohachi 28-30 (1988) 1160
Ingram, M.D., see J.A. Bruce 28-30 (1988) 306
Ingram, M.D., M.A. MacKenzie, W. Müller and M. Torge, Cluster and pathways: a new approach to ion migration in glass 28-30 (1988) 677
Irvine, J.T.S. and A.R. West, Sodium-phosphate-based solid electrolytes 28-30 (1988) 214
Ishigame, M., see A. Nakajima 28-30 (1988) 512
Ishii, T., Ultrasonic attenuation in superionic conductors 28-30 (1988) 67
Ishii, T., H. Sato and R. Kikuchi, Frequency dependence of ionic conductivity as treated by the path probability method 28-30 (1988) 108
Ishii, T., see H. Sato 28-30 (1988) 138
Ishiyama, I., see N. Kumagai 28-30 (1988) 862
Iwahara, I., High temperature proton conducting oxides and their applications to solid electrolyte fuel cells and steam electrolyzer for hydrogen production 28-30 (1988) 573
Jacobsen, J., see B. Zachau-Christiansen 28-30 (1988) 1176
Jacobsen, T., see K. West 28-30 (1988) 1128
Jacobson, A.J., see T.P. Feist 28-30 (1988) 1338
Jain, H., see A.S. Nowick 28-30 (1988) 89
Jakubowski, W., see J.L. Nowiński 28-30 (1988) 804
Janata, J., see M. Josowicz 28-30 (1988) 1625
Jansen, M., see H. Hruschka 28-30 (1988) 159
Jaszczyński, K., Adsorption processes on Na- β "-alumina/Pt interface 28-30 (1988) 1462
Johannesen, Ø., The effect of homovalent substitution on the ionic conductivity of $\text{KCl}_x\text{Br}_{1-x}$ mixed crystals 28-30 (1988) 1310
Josowicz, M. and J. Janata, Organic polymer films for solid-state sensors applications 28-30 (1988) 1625
Jouanne, M., see C. Julien 28-30 (1988) 1167

- Jourdaine, L., J.L. Souquet, V. Delord and M. Ribes, Lithium solid state glass based microgenerators 28-30 (1988) 1490
- Judeinstein, P., J. Livage, A. Zarudiansky and R. Rose, An "all gell" electrochromic device 28-30 (1988) 1722
- Julien, C., M. Jouanne, P.A. Burret and M. Balkanski, Optical studies of the cathode material InSe intercalated with lithium 28-30 (1988) 1167
- Julien, C., see I. Samaras 28-30 (1988) 1506
- Junke, K.-D., M. Mali, J. Roos, D. Brinkmann, A. Lundén and B. Granéli, Ion dynamics in $(1-x)\text{Li}_2\text{SO}_4 \cdot x\text{Na}_2\text{SO}_4$ systems studied by ^7Li and ^{23}Na NMR 28-30 (1988) 1287
- Junke, K.-D., M. Mali, J. Roos and D. Brinkmann, NMR evidence for modification of the crystal structure of $\beta\text{-LiNaSO}_4$ 28-30 (1988) 1329
- Jurado, J.R., C. Moure, P. Duran and N. Valverde, Preparation and electrical properties of oxygen ion conductors in the $\text{Bi}_2\text{O}_3\text{-Y}_2\text{O}_3$ (Er_2O_3) systems 28-30 (1988) 518
- Karakassides, M.A., see E.I. Kamitsos 28-30 (1988) 687
- Kalwij, R.A., see M. Dekker 28-30 (1988) 1682
- Kamitsos, E.I., M.A. Karakassides and G.D. Chryssikos, Far-infrared spectra of binary alkali borate glasses 28-30 (1988) 687
- Kamitsos, E.I. and M.A. Karakassides, A spectroscopic study of fluoride containing sodium borate glasses 28-30 (1988) 783
- Kanazawa, T., see K. Yamashita 28-30 (1988) 660
- Kankare, J., see P. Passiniemi 28-30 (1988) 1001
- Kanno, R., Y. Takeda and O. Yamamoto, Structure, ionic conductivity and phase transformation of double chloride spinels 28-30 (1988) 1276
- Karakassides, M.A., see E.I. Kamitsos 28-30 (1988) 783
- Kaushik, R. and K. Hariharan, Glass formation in $\text{AgI}:\text{Ag}_2\text{O}:\text{V}_2\text{O}_5$ and $\text{AgI}:\text{Ag}_2\text{O}:(\text{V}_2\text{O}_5 + \text{B}_2\text{O}_3)$ systems: application to solid state battery 28-30 (1988) 732
- Kawada, T., H. Yokokawa and M. Dokiya, Ionic conductivity of montmorillonite/alkali salt mixtures 28-30 (1988) 210
- Kelley, I., see B.C.H. Steele 28-30 (1988) 1547
- Kennedy, J.H. and Z. Zhang, Improved stability for the $\text{SiS}_2\text{-P}_2\text{S}_5\text{-Li}_2\text{S-LiI}$ glass system 28-30 (1988) 726
- Kent, M., see F.M. Gray 28-30 (1988) 936
- Kernler, W., see N. Nicoloso 28-30 (1988) 1637
- Khasanov, I.Sh., see S.I. Bredikhin 28-30 (1988) 280
- Kikkawa, S., T. Miyai and M. Koizumi, New lithium ionic conductor, Li-Ge-Se glasses 28-30 (1988) 743
- Kikuchi, R., see T. Ishii 28-30 (1988) 108
- Kim, K.J., see M. Yoshimura 28-30 (1988) 452
- Kirner, U., see W. Göpel 28-30 (1988) 1423
- Kitajima, K. and J.B. Wagner Jr., Electrical conductivity of $\alpha\text{-HgI}_2$ 28-30 (1988) 1146
- Kleinfeld, M. and H.-D. Weimhöfer, Chemical diffusion coefficients and stability of CuInS_2 and CuInSe_2 from polarization measurements with point electrodes 28-30 (1988) 1111
- Kleitz, M., see A. El Barhmi 28-30 (1988) 493
- Kniep, R., W. Wezel, W. Weppner and A. Rabenau, Quasibinary systems of lithium halides with aliphatic alcohols and ethylenediamine 28-30 (1988) 1271
- Knudsen, N., E. Krogh Andersen, I.G. Krogh Andersen and E. Skou, Tin (IV) oxide containing mordenite: syntheses and ionic conductivity measurements 28-30 (1988) 627

- Kobayashi, M., see F. Tachibana 28-30 (1988) 41
 Kobayashi, M., see K. Yonashiro 28-30 (1988) 152
 Koch, W. and H. Rickert, Inertia-EMF of periodically accelerated RbAg_4I_5 samples for frequencies up to 5 KHz 28-30 (1988) 1664
 Koerner, R., see I. Riess 28-30 (1988) 539
 Koizumi, M., see S. Kikkawa 28-30 (1988) 743
 Koksang, R., S. Yde-Andersen, K. West, B. Zachau-Christiansen and S. Skaarup, Lithium and sodium insertion in ternary chromium oxides 28-30 (1988) 868
 Kosacki, I., Anion disordering and band structure of PbF_2 superionic crystals 28-30 (1988) 449
 Kostadinov, I.Z. and I.V. Petrov, Hall effect in superionics due to ion hopping 28-30 (1988) 63
 Kovaleva, N.N., see S.I. Bredikhin 28-30 (1988) 200
 Kovaleva, N.N., see S.I. Bredikhin 28-30 (1988) 280
 Kozłowska-Róg, A., see G. Róg 28-30 (1988) 391
 Kreuer, K.D., M. Hampele, K. Dolde and A. Rabenau, Proton transport in some heteropolyacidhydrates; a single crystal PFG-NMR and conductivity study 28-30 (1988) 589
 Krogh Andersen, E., I.G. Krogh Andersen, J. Metcalf-Johansen, K.E. Simonsen and E. Skou, The ionic conductivity of alkalimetal-zeolite X 28-30 (1988) 249
 Krogh Andersen, E., see N. Knudsen 28-30 (1988) 627
 Krogh Andersen, I.G., see E. Krogh Andersen 28-30 (1988) 249
 Krogh Andersen, I.G., see N. Knudsen 28-30 (1988) 627
 Kruglyashov, A.L. and E.M. Skou, Ionic conductivity of compounds in the system $\text{Na}_2\text{MoO}_4\text{-ZnMoO}_4$ 28-30 (1988) 233
 Kudo, T., see M. Hiratani 28-30 (1988) 1406
 Kudo, T., see M. Hiratani 28-30 (1988) 1431
 Kudo, Y., see Y. Onoda 28-30 (1988) 179
 Kumagai, N., N. Ikenoya, I. Ishiyama and K. Tanno, Electrochemical and structural characteristics of niobium vanadium oxide electrodes in a secondary lithium battery 28-30 (1988) 862
 Kumar, R.V. and D.J. Fray, Solid-state hydrogen sensors based on SrCl_2 electrolyte 28-30 (1988) 1688
 Kuo, C.K. and J.J. Brophy, Contact noise in sodium β -alumina 28-30 (1988) 396
 Kuok, M.H., see B.V.R. Chowdari 28-30 (1988) 704
 Kuriakose, A.K., see J. Gulens 28-30 (1988) 622
 Kuske, P., see H. Lutz 28-30 (1988) 1282

 Labidi, F., see J. Salardenne 28-30 (1988) 1648
 Laborde, P., G. Villeneuve, J.M. Reau and J.L. Soubeyroux, NMR study of ^{19}F motion in the $\text{Pb}_{1-x}\text{Bi}_x\text{O}_x\text{F}_{2-x}$ oxyfluoride solid solution: correlations between ionic conductivity, NMR and neutron diffraction 28-30 (1988) 560
 Lanzi, G., see M. Scagliotti 28-30 (1988) 1766
 Laskar, A.L., K.V. Reddy and G.A. Popson, Mass and charge transport in $\text{AgCl}\cdot\text{Ce}^{3+}$ system 28-30 (1988) 294
 Lassegues, J.C., see M.F. Daniel 28-30 (1988) 632
 Lassegues, J.C., see M.F. Daniel 28-30 (1988) 637
 Latham, R.J., see K.C. Andrews 28-30 (1988) 929
 Lattin, G.A., see J.B. Phipps 28-30 (1988) 1778
 Läuger, K., see S. Mühlherr 28-30 (1988) 1495
 Laval, J.P., A. Mikou, B. Frit and G. Roullet, Short-range order in heavily doped $\text{CaF}_2\text{:Ln}^{3+}$ fluorites: a powder neutron diffraction study 28-30 (1988) 1300

- Leal Ferreira, G.F., see R.M. Faria 28-30 (1988) 1038
 Lee, W-K, see A.S. Nowick 28-30 (1988) 89
 Lee, W.-K., see T. Scherban 28-30 (1988) 585
 Leibold, B., see N. Nicoloso 28-30 (1988) 1637
 Lemordant, D., see L. Znaidi 28-30 (1988) 1750
 Le Nest, J.F., H. Cheradame and A. Gandini, A mechanism of ionic conduction in crosslinked polyethers 28-30 (1988) 1032
 Lesage, B., see G. Petot-Ervas 28-30 (1988) 1244
 Levy, M., F. Rousseau and M.J. Duclot, Electrochemical properties of glasses in the $\text{TeO}_2\text{V}_2\text{O}_5$ system 28-30 (1988) 736
 Lewandowski, J.T., see T.P. Feist 28-30 (1988) 1338
 Li, G.Y., A surface analysis of ion transport in the surface layer of fast ion conductors 28-30 (1988) 1473
 Li, S., J. Cai and Z. Lin, Phase relationships and electrical conductivity of $\text{Li}_{1+x}\text{Ge}_{2-x}\text{Al}_x\text{P}_3\text{O}_{12}$ and $\text{Li}_{1+x}\text{Ge}_{2-x}\text{Cr}_x\text{P}_3\text{O}_{12}$ systems 28-30 (1988) 1265
 Li, S.F., see T.L. Wen 28-30 (1988) 475
 Li, X.F., see T.L. Wen 28-30 (1988) 1592
 Liaw, B.Y., see G. Deublein 28-30 (1988) 1078
 Liaw, B.Y., see G. Deublein 28-30 (1988) 1084
 Liaw, B.Y., see G. Deublein 28-30 (1988) 1660
 Lichkova, N.N., see S.I. Bredikhin 28-30 (1988) 280
 Lichkova, N.V., see S.I. Bredikhin 28-30 (1988) 200
 Lin, Z., see S. Li 28-30 (1988) 1265
 Linden, E. and J.R. Owen, Conductivity measurements on amorphous PEO copolymers 28-30 (1988) 994
 Linford, R.G., Applications of solid state ionics for batteries 28-30 (1988) 831
 Linford, R.G., see K.C. Andrews 28-30 (1988) 929
 Linhardt, P., see M.W. Breiter 28-30 (1988) 369
 Lissel, E., see H. Hruschka 28-30 (1988) 159
 Liu, Q., see S. An 28-30 (1988) 546
 Liu, Q., see L. Yang 28-30 (1988) 1029
 Liu, Q.-G. and W.L. Worrell, Development of solid-state electrochemical sensors for high-temperature applications 28-30 (1988) 1668
 Liu, Q.C. and W.L. Worrell, Kinetics and polarization phenomena of sulfate electrolyte cell 28-30 (1988) 1419
 Livage, J., see M. Nabavi 28-30 (1988) 1183
 Livage, J., see P. Judeinstein 28-30 (1988) 1722
 Ljungmark, H., see A. Lundén 28-30 (1988) 262
 Löbert, A., see N. Nicoloso 28-30 (1988) 1637
 Longhurst, T.H., see J. Gulens 28-30 (1988) 622
 Lorenz, G., F. Frey, H. Schulz and H. Boysen, Structural investigations up to 1800 K and ionic conductivity in Ca-stabilized zirconia 28-30 (1988) 497
 Lu, Z., see W. Wang 28-30 (1988) 424
 Lü, Z.Y., see T.L. Wen 28-30 (1988) 1592
 Lu, Z.Y., see T.L. Wen 28-30 (1988) 475
 Lucazeau, G., see J.F. Bocquet 28-30 (1988) 411
 Lucazeau, G., D. Dohy, N. Fanjat and A.J. Dianoux, Study of the dynamics of a single crystal of $\text{Na}^+\beta\text{-Al}_2\text{O}_3$ by neutron scattering 28-30 (1988) 1611

- Lumbreras, M., J. Schram, J. Schoonman and E.J.L. Schouler, Electrical conductivity of mixed lead halides $\text{PbCl}_{2x}\text{Br}_{2(1-x)}$ 28-30 (1988) 1305
- Lundén, A., Enhancement of cation mobility in some sulphate phases due to a paddle-wheel mechanism 28-30 (1988) 163
- Lundén, A., see B. Baranowski 28-30 (1988) 194
- Lundén, A., K. Schroeder and H. Ljungmark, Phase diagrams of binary Li_2SO_4 - MeSO_4 (Me=Be, Mg, Ca, Sr, Ba, Zn, Cd, Mn) 28-30 (1988) 262
- Lundén, A., see K.-D. Junke 28-30 (1988) 1287
- Lutz, H., P. Kuske and K. Wussow, Ionic motion of tetrahedrally and octahedrally coordinated lithium ions in ternary and quaternary halides 28-30 (1988) 1282
- MacKenzie, M.A., see M.D. Ingram 28-30 (1988) 677
- Madou, M. and T. Otagawa, Electrolytic media for chemical sensors 28-30 (1988) 1653
- Magistris, A., see G. Chiodelli 28-30 (1988) 1009
- Magistris, A., see G. Spinolo 28-30 (1988) 1602
- Magistris, A., see M. Scagliotti 28-30 (1988) 1766
- Mahmood, M.N., see N. Bonanos 28-30 (1988) 579
- Maier, J., On the electronic conductivity of composite electrolytes 28-30 (1988) 1073
- Maier, J., S. Prill and B. Reichert, Space charge effects in polycrystalline, micro-polycrystalline and thin film samples: application to AgCl and AgBr 28-30 (1988) 1465
- Maier, J., see B. Wassermann 28-30 (1988) 1514
- Mairesse, G., see F. Abraham 28-30 (1988) 529
- Mali, M., see J. Roos 28-30 (1988) 710
- Mali, M., see W. Górecki 28-30 (1988) 1018
- Mali, M., J. Roos, D. Brinkmann, J.B. Phipps and P.M. Skarstad, ^7Li and ^{127}I NMR in LiI single crystals 28-30 (1988) 1089
- Mali, M., see K.-D. Junke 28-30 (1988) 1287
- Mali, M., see K.-D. Junke 28-30 (1988) 1329
- Maly, K., see M. Maly-Schreiber 28-30 (1988) 873
- Maly-Schreiber, M., see M.W. Breiter 28-30 (1988) 369
- Maly-Schreiber, M., R.A. Huggins and K. Maly, Thermodynamic properties of titanium-nickel hydrides 28-30 (1988) 873
- Maly-Schreiber, M., see M.W. Breiter 28-30 (1988) 1402
- Manning, J., see R. Frech 28-30 (1988) 954
- Mari, C.M., A. Anghileri, M. Catti and G. Chiodelli, Thermal and water vapor pressure dependence of electrical conductivity in $\text{HTaWO}_6 \cdot x\text{H}_2\text{O}$ ($0 \leq x \leq 1$) 28-30 (1988) 642
- Marinangeli, A.M., see A. Corradini 28-30 (1988) 1738
- Mariotto, G., M. Montagna and F. Rossi, Spectroscopy of sodium β'' -alumina: Cr^{3+} 28-30 (1988) 311
- Marsan, B., D. Fauteux and A.K. Vijh, Characterization of high and low molecular weight PEO- Na_2S_4 -based electrolytes used in a photoelectrochemical cell 28-30 (1988) 1058
- Martin, M. and S. Dorris, Impurity diffusion of iron in cobalt oxide 28-30 (1988) 1230
- Martin, T.P., see B. Wassermann 28-30 (1988) 1514
- Martins Rodrigues, A.C. and M.J. Duclot, Lithium conducting glasses: the $\text{Li}_2\text{O} \cdot \text{B}_2\text{O}_3 \cdot \text{TeO}_2$ system 28-30 (1988) 729
- Martins Rodrigues, A.C. and M.J. Duclot, LiX (X=Br, F) salt doping effect in lithium borophosphate glasses 28-30 (1988) 766
- Maruyama, T., see Y. Saito 28-30 (1988) 1644

- Maskell, W.C. and B.C.H. Steele, Miniature amperometric oxygen pump-gauge 28-30 (1988) 1677
- Masounave, J., see P. Baudry 28-30 (1988) 1567
- Mariotto, G., see J.F. Bocquet 28-30 (1988) 411
- Mastragostino, M., see A. Corradini 28-30 (1988) 1738
- Maurin, M., see A. Pradel 28-30 (1988) 762
- McMullan, R.K., see M. Oliveria 28-30 (1988) 1332
- Meng, G., C. Chen, X. Han, P. Yang and D. Peng, Conductivity of Bi_2O_3 -based oxide ion conductors with double stabilizers 28-30 (1988) 533
- Meng, G., see K. Hu 28-30 (1988) 566
- Mercurio, D., see C. Follet-Houttemane 28-30 (1988) 458
- Messina, R., see J.P. Pereira-Ramos 28-30 (1988) 886
- Metcalf-Johansen, J., see E. Krogh Andersen 28-30 (1988) 249
- Meyer, W.H., see L. Dominquez 28-30 (1988) 941
- Middleton, H., see B.C.H. Steele 28-30 (1988) 1547
- Mierzejewski, A., G.A. Saunders, H.A.A. Sidek, R.N. Hampton and I.J. Al-Mummar, Valence instability of samarium ions in phosphate glasses 28-30 (1988) 778
- Mikou, A., see J.P. Laval 28-30 (1988) 1300
- Millot, F. and C. Picard, Oxygen self-diffusion in non-stoichiometric rutile TiO_{2-x} at high temperature 28-30 (1988) 1344
- Minett, M.G. and J.R. Owen, Polymeric insertion electrodes 28-30 (1988) 1192
- Miri, S., see A. Ovenston 28-30 (1988) 1553
- Miyai, T., see S. Kikkawa 28-30 (1988) 743
- Miyauchi, K., see M. Hiratani 28-30 (1988) 1406
- Miyauchi, K., see M. Hiratani 28-30 (1988) 1431
- Mocarski, S.J., see T.P. Feist 28-30 (1988) 1338
- Mohan, M., see D.R. Balasubramanyam 28-30 (1988) 664
- Montagna, M., see G. Mariotto 28-30 (1988) 311
- Monty, C., see R.J. Tarento 28-30 (1988) 1221
- Moon, P.K. and H.L. Tuller, Ionic conduction in the $\text{Gd}_2\text{Ti}_2\text{O}-\text{Gd}_2\text{Zr}_2\text{O}_7$ system 28-30 (1988) 470
- Morgan, P.E.D., see B. Dunn 28-30 (1988) 301
- Mosdale, R., see J. Guitton 28-30 (1988) 847
- Moure, C., see J.R. Jurado 28-30 (1988) 518
- Mühlherr, S., K. Läger, E. Schreck, K. Dransfeld and N. Nicoloso, The ionic conductivity profile of thin evaporated AgCl films on a planar sapphire substrate 28-30 (1988) 1495
- Müller, W., see M.D. Ingram 28-30 (1988) 677
- Mundy, J.N., Models for ionic transport in glass 28-30 (1988) 671
- Munshi, M.Z.A., see J.Y. Cherng 28-30 (1988) 857
- Nabavi, M., C. Sanchez, F. Taulelle, J. Livage and A. de Guibert, Electrochemical properties of amorphous V_2O_5 28-30 (1988) 1183
- Nadiri, A., see C. Delmas 28-30 (1988) 419
- Naegele, D. and R. Bittihn, Electrically conductive polymers as rechargeable battery electrodes 28-30 (1988) 983
- Nagai, M. and T. Nishino, Surface conduction of porous hydroxyapatite ceramics at elevated temperatures 28-30 (1988) 1456
- Nagano, S., see M. Watanabe 28-30 (1988) 911

- Nakajima, A., T. Suemoto and M. Ishigame, Determination of ionic diffusion coefficients and activation energies in $(\text{ZrO}_2)_{1-x}(\text{YbO}_{1.5})_x$ system by using quasi-elastic light scattering 28-30 (1988) 512
- Nakamura, O. and I. Ogino, Oxide catalysts for hydrogen electrode in molybdo-phosphoric acid solid electrolyte fuel cells 28-30 (1988) 1558
- Nicoloso, N., see S. Mühlherr 28-30 (1988) 1495
- Nicoloso, N., W. Kernler, B. Leibold, A. Löbert and W. Weppner, Electrical response of oxygen sensing TiO_2 surfaces and fractal Pt/YSZ interfaces 28-30 (1988) 1637
- Nikolov, V., see G. Staikov 28-30 (1988) 373
- Nishino, T., see M. Nagai 28-30 (1988) 1456
- Nitzan, A., see M.A. Ratner 28-30 (1988) 3
- Nitzan, A., see R. Granek 28-30 (1988) 120
- Noelting, J., see I. Riess 28-30 (1988) 539
- Norby, T., EMF method determination of conductivity contributions from protons and other foreign ions in oxides 28-30 (1988) 1586
- Norton, P., see R.B. Goldner 28-30 (1988) 1715
- Nowick, A.S., W-K Lee and H. Jain, Survey and interpretation of pre-exponentials of conductivity 28-30 (1988) 89
- Nowick, A.S., see T. Scherban 28-30 (1988) 585
- Nowiński, J.L., B. Wnętrzewski and W. Jakubowski, The electrical properties of $\text{AgI-Ag}_2\text{O-P}_2\text{O}_5$ glasses with high AgI content 28-30 (1988) 804
- Nowogrocki, G., see M. Dumélié 28-30 (1988) 524
- Nowogrocki, G., see F. Abraham 28-30 (1988) 529
- Nowotny, J., Surface segregation of defects in oxide ceramic materials 28-30 (1988) 1235
- Nowotny, J., M. Sloma and W. Weppner, Surface relaxation of Y_2O_3 -stabilized ZrO_3 28-30 (1988) 1445
- Nygren, M., see S. Frostäng 28-30 (1988) 237
- Odier, P., see F. Archaimbault 28-30 (1988) 1357
- Ogata, N., see M. Watanabe 28-30 (1988) 911
- Øgandal, L.H., see F.W. Poulsen 28-30 (1988) 271
- Ogino, I., see O. Nakamura 28-30 (1988) 1558
- Ohachi, T., see S. Yoshikado 28-30 (1988) 173
- Ohachi, T., see Y. Onoda 28-30 (1988) 179
- Ohachi, T., see M. Watanabe 28-30 (1988) 257
- Ohachi, T., S. Imai, T. Tanaka, H. Yamai and T. Taniguchi, Semiconducting and atomic properties of the mixed conductor $\alpha\text{-Ag}_2\text{S}$ 28-30 (1988) 1160
- Okazaki, H., see F. Tachibana 28-30 (1988) 41
- Okazaki, H. and F. Tachibana, Monte Carlo simulation for a caterpillar motion in $\alpha\text{-Ag}_2\text{X}$ type superionic conductors 28-30 (1988) 95
- Oliveria, M., R.K. McMullan and B.J. Wuensch, Single crystal neutron diffraction analysis of the cation distribution in the high-temperature phases $\alpha\text{-Cu}_{2-x}\text{S}$, $\alpha\text{-Cu}_{2-x}\text{Se}$, and $\alpha\text{-Ag}_2\text{Se}$ 28-30 (1988) 1332
- Onoda, Y., M. Watanabe, Y. Fujiki, Y. Kudo, T. Erata, S. Yoshikado, T. Ohachi and I. Taniguchi, NMR study of Ba^{2+} ion motion in one-dimensional ionic conductor with hollandite-type structure 28-30 (1988) 179
- Onodo, Y., see S. Yoshikado 28-30 (1988) 173
- Osborn, R., see S. Hull 28-30 (1988) 488

- Otagawa, T., see M. Madou 28-30 (1988) 1653
- Ou, X., see W. Wang 28-30 (1988) 442
- Ovenston, A., J.R. Walls, S. Miri and T. Ramdeen, The high-temperature dc and ac characteristics of catalysts comprising a potassium tungsten bronze or a potassium magnesium titanate and insulating ceramic oxides 28-30 (1988) 1553
- Owada, H., see K. Yamashita 28-30 (1988) 660
- Owen, J.R., see E. Linden 28-30 (1988) 994
- Owen, J.R., see M.G. Minett 28-30 (1988) 1192
- Owen, J.R., see J. Upton 28-30 (1988) 1486
- Owens, B.B., see J.Y. Cherng 28-30 (1988) 857
- Padmanabhan, R.V., see J.B. Phipps 28-30 (1988) 1778
- Pajak, Z., see W. Wieczorek 28-30 (1988) 1014
- Pak, Y.S., see S.G. Greenbaum 28-30 (1988) 1042
- Pan, X., H. Zhao and Y. Bao, Copper deposition in amorphous fast ionic conductor $\text{CuCl-Cu}_2\text{O-MoO}_3\text{-P}_2\text{O}_5$ using Auger electron spectroscopy 28-30 (1988) 1470
- Panero, S., see F. Croce 28-30 (1988) 895
- Parmigiani, F., see M. Scagliotti 28-30 (1988) 1766
- Pasquali, M., see G. Pistoia 28-30 (1988) 879
- Passiniemi, P., S. Takkumäki, J. Kankare and M. Syrjämä, Ionic conduction in ethylene oxide-propylene oxide copolymers containing LiClO_4 28-30 (1988) 1001
- Pedone, D., M. Armand and D. Deroo, Voltammetric and potentiostatic studies of the interface $\text{WO}_3/\text{polyethylene oxide-H}_3\text{PO}_4$ 28-30 (1988) 1729
- Peller, V.V., see E. Hartmann 28-30 (1988) 1098
- Pelous, J., see L. Börjesson 28-30 (1988) 770
- Pelous, J., see M. Cutroni 28-30 (1988) 788
- Peng, D., see G. Meng 28-30 (1988) 533
- Peng, D., see K. Hu 28-30 (1988) 566
- Pereira-Ramos, J.P., R. Messina, L. Znaidi and N. Baffier, Electrochemical lithium intercalation in $\text{Na}_{0.33}\text{V}_2\text{O}_5$ bronze prepared by sol-gel processes 28-30 (1988) 886
- Petot, C., see G. Petot-Ervas 28-30 (1988) 1244
- Petot-Ervas, G., C. Petot, B. Lesage, A.M. Huntz and C. Severac, Localization of carbon and its influence on the transport properties of oxides 28-30 (1988) 1244
- Petrov, I.V., see I.Z. Kostadinov 28-30 (1988) 63
- Peyrierre, J., see B. Sapoval 28-30 (1988) 1441
- Phipps, J.B., see M. Mali 28-30 (1988) 1089
- Phipps, J.B., R.V. Padmanabhan and G.A. Lattin, Transport of ionic species through skin 28-30 (1988) 1778
- Picard, C., see F. Millot 28-30 (1988) 1344
- Pimenta, M.A., P. Echegut, F. Gervais and P. Abélard, Lithium conductivity in LiKSO_4 assisted by sulphate orientational disorder 28-30 (1988) 224
- Pistoia, G., M. Pasquali, L.A. de Picciotto and M.M. Thackeray, Behaviour of the spinel LiV_2O_4 as a positive electrode for secondary Li cells 28-30 (1988) 879
- Pistoia, G., see L.A. de Picciotto 28-30 (1988) 1364
- Pizzimenti, G., see M.C. Abramo 28-30 (1988) 148
- Płocharski, J. and W. Wieczorek, PEO based composite solid electrolyte containing NASICON 28-30 (1988) 979

- Płocharski, J., see W. Wieczorek 28-30 (1988) 1014
 Poinsignon, C., see P. Donoso 28-30 (1988) 969
 Pommier, C., see M. Barj 28-30 (1988) 432
 Popson, G.A., see A.L. Laskar 28-30 (1988) 294
 Portier, J., see J.M. Reau 28-30 (1988) 792
 Poulsen, F.W., N.H. Andersen, K.N. Clausen, D.R. Sadoway and L.H. Øgøndal, Super ionic conduction in alkali metal hexachloro niobates and tantalates 28-30 (1988) 271
 Poulsen, F.W., see J.J. Bentzen 28-30 (1988) 550
 Powell, A.V., see P.G. Dickens 28-30 (1988) 1123
 Pradel, A., see J. Roos 28-30 (1988) 710
 Pradel, A., see V.K. Deshpande 28-30 (1988) 756
 Pradel, A., M. Ribes and M. Maurin, ^7Li NMR study of $\text{Li}_2\text{S}-\text{SiS}_2$ glass system 28-30 (1988) 762
 Pressman, H.A., see R.C.T. Slade 28-30 (1988) 594
 Prill, S., see J. Maier 28-30 (1988) 1465
 Prosperi, P., see F. Croce 28-30 (1988) 895
 Prud'homme, J., see D. Fauteux 28-30 (1988) 923
 Przyłuski, J., see W. Wieczorek 28-30 (1988) 1014
 Pycior, W., see G. Róg 28-30 (1988) 391

 Qiu, B., see L. Yang 28-30 (1988) 1029
 Queenan, R.B. and P.K. Davies, The effects of thermal treatment upon the structural and optical properties of the Na-Nd β'' -aluminas 28-30 (1988) 358
 Quint, R., see H. Boller 28-30 (1988) 254

 Rabenau, A., see K.D. Kreuer 28-30 (1988) 589
 Rabenau, A., see R. Kniep 28-30 (1988) 1271
 Radhakrishna, S., see R.V.G.K. Sarma 28-30 (1988) 808
 Radhakrishna, S., see N. Satayanarayana 28-30 (1988) 811
 Radhakrishna, S., see P. Sathya Sainath Prasad 28-30 (1988) 814
 Raghuwanshi, F.C., see K. Singh 28-30 (1988) 267
 Ramdeen, T., see A. Ovenston 28-30 (1988) 1553
 Rao, L., see W. Wang 28-30 (1988) 424
 Ratnam, J., see K. Singh 28-30 (1988) 821
 Ratner, M.A. and A. Nitzan, Fast ion conduction: some theoretical issues 28-30 (1988) 3
 Ratner, M.A., see R. Granek 28-30 (1988) 120
 Rau, F., see K.D. Becker 28-30 (1988) 1290
 Rauh, R.D., Microionic insertion sensors 28-30 (1988) 1479
 Rauh, R.D. and S.F. Cogan, Counter electrodes in transmissive electrochromic light modulators 28-30 (1988) 1707
 Ravaine, D., see V. Clément 28-30 (1988) 1572
 Reau, J.M., see P. Laborde 28-30 (1988) 560
 Reau, J.M., B. Tanguy, J.J. Videau, J. Portier and P. Hagenmuller, Transport properties of rapidly quenched glasses in the $\text{Z}_2\text{S}_3-\text{Ag}_2\text{S}-\text{AgI}$ ($\text{Z}=\text{As}, \text{Sb}$) systems 28-30 (1988) 792
 Reddy, K.V., see A.L. Laskar 28-30 (1988) 294
 Reichert, B., see J. Maier 28-30 (1988) 1465
 Reid, W.B. and A.R. West, Atmospheric attack on lithium silicate glass 28-30 (1988) 681
 Ribes, M., see J. Roos 28-30 (1988) 710

- Ribes, M., see V.K. Deshpande 28-30 (1988) 756
- Ribes, M., see A. Pradel 28-30 (1988) 762
- Ribes, M., see A. Zerouale 28-30 (1988) 1317
- Ribes, M., see L. Jourdain 28-30 (1988) 1490
- Ricken, M., see I. Riess 28-30 (1988) 539
- Rickert, H., see W. Koch 28-30 (1988) 1664
- Riess, I., R. Koerner, M. Ricken and J. Noelting, Nonstoichiometric phases in cerium oxide 28-30 (1988) 539
- Rocca, F., see G. Dalba 28-30 (1988) 713
- Rocca, F., see A. Fontana 28-30 (1988) 722
- Rocker, G., see W. Göpel 28-30 (1988) 1423
- Roede, H., see G.A. Wiegers 28-30 (1988) 1116
- Róg, G., W. Pycior and A. Kozłowska-Róg, Preparation and properties of manganese(II)- and mercury(II)- β'' -aluminas 28-30 (1988) 391
- Róg, G. and G. Borchardt, Solid electrolytes for the study of thermodynamic properties of silicates 28-30 (1988) 1254
- Rogalski, G.I., see E. Hartmann 28-30 (1988) 1098
- Rogers, M.D. and C.A. Vincent, The effect of ionic conductivity on the apparent chemical diffusion coefficient of a composite electrode 28-30 (1988) 1138
- Rohr, F.J., see W.F. Chu 28-30 (1988) 1540
- Rohrer, G.S., P.K. Davies and G.C. Farrington, The effect of thermal history on the ionic conductivity of Pb(II)- β'' -alumina 28-30 (1988) 354
- Rohrer, G.S. and G.C. Farrington, Electronic conductivity in Pb(II)- β'' -alumina 28-30 (1988) 1142
- Roman, H.E., see F. Billi 28-30 (1988) 58
- Roos, J., D. Brinkmann, M. Mali, A. Pradel and M. Ribes, $(\text{AgI})_x(\text{Ag}_2\text{S}\cdot\text{GeS}_2)_{1-x}$ glasses studied by ^{109}Ag NMR 28-30 (1988) 710
- Roos, J., see W. Górecki 28-30 (1988) 1018
- Roos, J., see M. Mali 28-30 (1988) 1089
- Roos, J., see K.-D. Junke 28-30 (1988) 1287
- Roos, J., see K.-D. Junke 28-30 (1988) 1329
- Rose, R., see P. Judeinstein 28-30 (1988) 1722
- Rossi, F., see G. Mariotto 28-30 (1988) 311
- Roult, G., see C. Follet-Houttemane 28-30 (1988) 458
- Roult, G., see J.P. Laval 28-30 (1988) 1300
- Rousseau, F., see M. Levy 28-30 (1988) 736
- Rudkin, R., see B.C.H. Steele 28-30 (1988) 1547
- Rudkin, R.A., see J. Upton 28-30 (1988) 1486
- Rudolph, B., see W. Burckhardt 28-30 (1988) 739
- Sadoway, D.R., see F.W. Poulsen 28-30 (1988) 271
- Saito, Y. and T. Maruyama, Recent developments of the sensors for carbon oxides using solid electrolytes 28-30 (1988) 1644
- Sakai, E., see K. Yonashiro 28-30 (1988) 152
- Saltzberg, M.A., see J.D. Barrie 28-30 (1988) 344
- Saltzberg, M.A., F.H. Garzon, P.K. Davies and G.C. Farrington, Properties and microstructures of a mixed-valency solid electrolyte: Na-Eu(II)- β'' -alumina 28-30 (1988) 386
- Saltzberg, M.A., J.O. Thomas and R. Wäppling, Mössbauer spectroscopy studies of the reduction of Eu(III) in β'' -alumina 28-30 (1988) 1563

- Samaras, I., J.P. Guesdon, M. Tsakiri, C. Julien and M. Balkanski, Behaviour of indium selenide thin films intercalated lithium 28-30 (1988) 1506
- Samoggia, G., see M. Scagliotti 28-30 (1988) 1766
- Sanchez, C., see M. Nabavi 28-30 (1988) 1183
- Sandahl, J., S. Schantz, L.M. Torell and R. Frech, Sound velocity, local intrachain flexibility and structural relaxation in MSCN-poly(propylene glycol) complexes: a Brillouin scattering study 28-30 (1988) 958
- Sandahl, J., see S. Schantz 28-30 (1988) 1047
- Sanesi, M., see G. Chiodelli 28-30 (1988) 1009
- Sanui, K., see M. Watanabe 28-30 (1988) 911
- Sapoval, B., J.-N. Chazalviel and J. Peyrierre, Effective impedance of a non-blocking fractal electrode 28-30 (1988) 1441
- Salardenne, J., F. Labidi and D. Birot, A thin electrochemical oxygen sensor working near room temperature 28-30 (1988) 1648
- Sarma, R.V.G.K. and S. Radhakrishna, Transport studies on silver boromolybdate superionic conducting glass 28-30 (1988) 808
- Satyanarayana, N. and S. Radhakrishna, Glass formation and electrical conductivity studies of $\text{AgI-Ag}_2\text{O}-[x\text{MoO}_3 + (1-x)\text{V}_2\text{O}_5]$ $x=0.1$ to 0.9 system 28-30 (1988) 811
- Sathya Sainath Prasad, P. and S. Radhakrishna, Transport and dielectric studies on silver based molybdo-tungstate quaternary superionic conducting glasses 28-30 (1988) 814
- Sato, H., see T. Ishii 28-30 (1988) 108
- Sato, H., S.A. Akbar and T. Ishii, Frequency dependence of hopping conductivity and mixed alkali effect 28-30 (1988) 138
- Sato, H., Structures of β -alumina-type compounds in terms of stacking of building units 28-30 (1988) 333
- Saunders, G.A., see A. Mierzejewski 28-30 (1988) 778
- Scagliotti, M., F. Parmigiani, G. Chiodelli, A. Magistris, G. Samoggia and G. Lanzi, Plasma-sprayed zirconia electrolytes 28-30 (1988) 1766
- Schantz, S., see J. Sandahl 28-30 (1988) 958
- Schantz, S., J. Sandahl, L. Börjesson, L.M. Torell and J.R. Stevens, Ion pairing in polymer electrolytes: a comparative Raman study of NaCF_3SO_3 complexed in poly(propylene-glycol) and dissolved in acetonitrile 28-30 (1988) 1047
- Scherban, T., W-K Lee and A.S. Nowick, Bulk protonic conduction in Yb-doped SrCeO_3 and BaCeO_3 28-30 (1988) 585
- Schierbaum, K.D., H.D. Wiemhöfer and W. Göpel, Defect structure and sensing mechanism of SnO_2 gas sensors: comparative electrical and spectroscopic studies 28-30 (1988) 1631
- Schirmacher, W., Theory of diffusion and ionic conduction in glass 28-30 (1988) 129
- Schirmacher, W. and A. Schirmer, Theory of spin-lattice relaxation of diffusing light nuclei in glasses 28-30 (1988) 134
- Schirmer, A., see W. Schirmacher 28-30 (1988) 134
- Schirmer, A., P. Heitjans, H. Ackermann, B. Bader, P. Freiländer and H.-J. Stöckmann, Spin-lattice relaxation in lithium-borate glass studied by β -radiation detected NMR 28-30 (1988) 717
- Schoonman, J., see M. Lumberras 28-30 (1988) 1305
- Schoonman, J., see M. Dekker 28-30 (1988) 1682
- Schouler, E.J.L., see A. El Barhmi 28-30 (1988) 493
- Schouler, E.J.L., see A. Hammouche 28-30 (1988) 1205

- Schouler, E.J.L., see M. Lumberras 28-30 (1988) 1305
- Schram, J., see M. Lumberras 28-30 (1988) 1305
- Schram, J., see M. Dekker 28-30 (1988) 1682
- Schram, R., see J.J. Bentzen 28-30 (1988) 550
- Schreck, E., see S. Mühlherr 28-30 (1988) 1495
- Schroeder, K., see A. Lundén 28-30 (1988) 262
- Schulz, H., see G. Lorenz 28-30 (1988) 497
- Schulz, S., see R.B. Goldner 28-30 (1988) 1715
- Schütz, U., see W. Burckhardt 28-30 (1988) 739
- Schwarz, B.B., see B. Dunn 28-30 (1988) 301
- Scrosati, B., see F. Bonino 28-30 (1988) 853
- Scrosati, B., see F. Croce 28-30 (1988) 895
- Scrosati, B., see A. Corradini 28-30 (1988) 1738
- Secco, E.A., Fast cation conductivity by percolation in alkali sulfate compositions 28-30 (1988) 168
- Sellars, A.P., see X. Turrillas 28-30 (1988) 465
- Selvaggi, A., see F. Bonino 28-30 (1988) 853
- Seshadri, R., see J.D. Barrie 28-30 (1988) 344
- Seshan, K., see B.A. Boukamp 28-30 (1988) 1187
- Seshan, K., see I.C. Vinke 28-30 (1988) 1201
- Setter, M.P. and J.B. Wagner Jr., A comprehensive method to characterize mixed conduction electrolytes 28-30 (1988) 1579
- Severac, C., see G. Petot-Ervas 28-30 (1988) 1244
- Seward, G., see R.B. Goldner 28-30 (1988) 1715
- Shlichta, P.J., A crystallographic search program for oxygen-conducting electrolytes 28-30 (1988) 480
- Short, A.T., see P.G. Dickens 28-30 (1988) 1294
- Sidek, H.A.A., see A. Mierzejewski 28-30 (1988) 778
- Siebert, E., J. Fouletier and M. Bonnat, Mechanism of the oxygen sensing electrode on solid halide electrolytes 28-30 (1988) 1693
- Siebert, E., see P. Ge 28-30 (1988) 1701
- Simonsen, K.E., see E. Krogh Andersen 28-30 (1988) 249
- Singh, A.K., see D.R. Balasubramanyam 28-30 (1988) 664
- Singh, K., V.R. Chandrayan and V.K. Deshpande, Electrical properties of Li_2SO_4 - Ag_2SO_4 binary system with AgX ($\text{X}=\text{Cl}$, Br and I) addition 28-30 (1988) 228
- Singh, K., F.C. Raghuwanshi and V.K. Deshpande, Li_2SO_4 - LiOH eutectic system, a promising solid electrolyte 28-30 (1988) 267
- Singh, K., P.R. Ghandi and B.M. Chaudhari, Use of ferroelectric materials to modify cationic conduction of the $\text{Li}_2\text{O}:\text{B}_2\text{O}_3$ amorphous solid electrolyte system 28-30 (1988) 752
- Singh, K., J. Ratnam and V.K. Deshpande, The influence of V_2O_5 on the electrical conductivity of $\text{Li}_2\text{O}:\text{B}_2\text{O}_3$ system 28-30 (1988) 821
- Singh, K., A first attempt to study the electrical properties of aliovalent cation substituted Ag_2SO_4 28-30 (1988) 1371
- Sitte, W. and A. Brunner, Investigation of the binary system Ag-Te in the temperature range between 25 and 200°C using solid silver electrolytes 28-30 (1988) 1324
- Skaarup, S., see R. Koksang 28-30 (1988) 868
- Skaarup, S., K. West and B. Zachau-Christiansen, Mixed phase solid electrolytes 28-30 (1988) 975
- Skaarup, S., see K. West 28-30 (1988) 1128
- Skarstad, P.M., see M. Mali 28-30 (1988) 1089

- Skou, E., see E. Krogh Andersen 28-30 (1988) 249
- Skou, E., see N. Knudsen 28-30 (1988) 627
- Skou, E.M., see A.L. Kruglyashov 28-30 (1988) 233
- Slade, R.C.T., J. Barker, H.A. Pressman and J.H. Strange, Studies of protonic self-diffusion and conductivity in 12-tungstophosphoric acid hydrates by pulsed field gradient in ^1H NMR and ac conductivity 28-30 (1988) 594
- Sloma, M., see J. Nowotny 28-30 (1988) 1445
- Smyrl, W.H., see J.Y. Cherng 28-30 (1988) 857
- Šokčević, D., see A. Turković 28-30 (1988) 276
- Soltz, D., G. Dagan and D. Cahen, Ionic mobility and electronic junction movement in CuInSe_2 28-30 (1988) 1105
- Somiya, S., see M. Yoshimura 28-30 (1988) 452
- Somiya, S., see Y. Yokogawa 28-30 (1988) 1250
- Song, S., see Z. Wang 28-30 (1988) 508
- Sørensen, O.T., see J.J. Bentzen 28-30 (1988) 550
- Soubeyroux, J.L., see C. Delmas 28-30 (1988) 419
- Soubeyroux, J.L., see P. Laborde 28-30 (1988) 560
- Souquet, J.L., Glasses as active materials in high-energy density cells 28-30 (1988) 693
- Souquet, J.L., see L. Jourdain 28-30 (1988) 1490
- Spinolo, G., G. Chiodelli, U. Anselmi Tamburini and A. Magistris, Error analysis and choice of conflicting models in impedance spectroscopy 28-30 (1988) 1602
- Stafsudd, O.M., see J.D. Barrie 28-30 (1988) 344
- Staikov, G., V. Nikolov and P.D. Yankulov, Thermodynamics and kinetics of the ion exchange of sodium with cadmium in β -aluminas 28-30 (1988) 373
- Stark, G., Ion transport through lipid membranes 28-30 (1988) 1773
- Steele, B.C.H., see X. Turrillas 28-30 (1988) 465
- Steele, B.C.H., see J. Upton 28-30 (1988) 1486
- Steele, B.C.H., I. Kelley, H. Middleton and R. Rudkin, Oxidation of methane in solid state electrochemical reactors 28-30 (1988) 1547
- Steele, B.C.H., see W.C. Maskell 28-30 (1988) 1677
- Steele, B.C.H., see S.J. Golden 28-30 (1988) 1733
- Steinberger, U., see M.T. Hutchings 28-30 (1988) 1208
- Stevens, J.R., see S. Schantz 28-30 (1988) 1047
- Stewart, S.L., see D. Teeters 28-30 (1988) 1054
- Stirling, W.G., see S. Hull 28-30 (1988) 488
- Stöckmann, H.-J., see A. Schirmer 28-30 (1988) 717
- Strange, J.H., see A.V. Chadwick 28-30 (1988) 185
- Strange, J.H., see R.C.T. Slade 28-30 (1988) 594
- Suemoto, T., see A. Nakajima 28-30 (1988) 512
- Svoboda, L., see D. Teeters 28-30 (1988) 1054
- Syrjämä, M., see P. Passiniemi 28-30 (1988) 1001
- Szabó, G., Monte Carlo simulation of a Coulomb gas in simple cubic lattice 28-30 (1988) 86
- Szajda, W., see E. Wolska 28-30 (1988) 1320
- Tachibana, F., M. Kobayashi and H. Okazaki, Molecular dynamics study of ionic motion in $\alpha\text{-Ag}_2\text{Te}$ 28-30 (1988) 41
- Tachibana, F., see H. Okazaki 28-30 (1988) 95

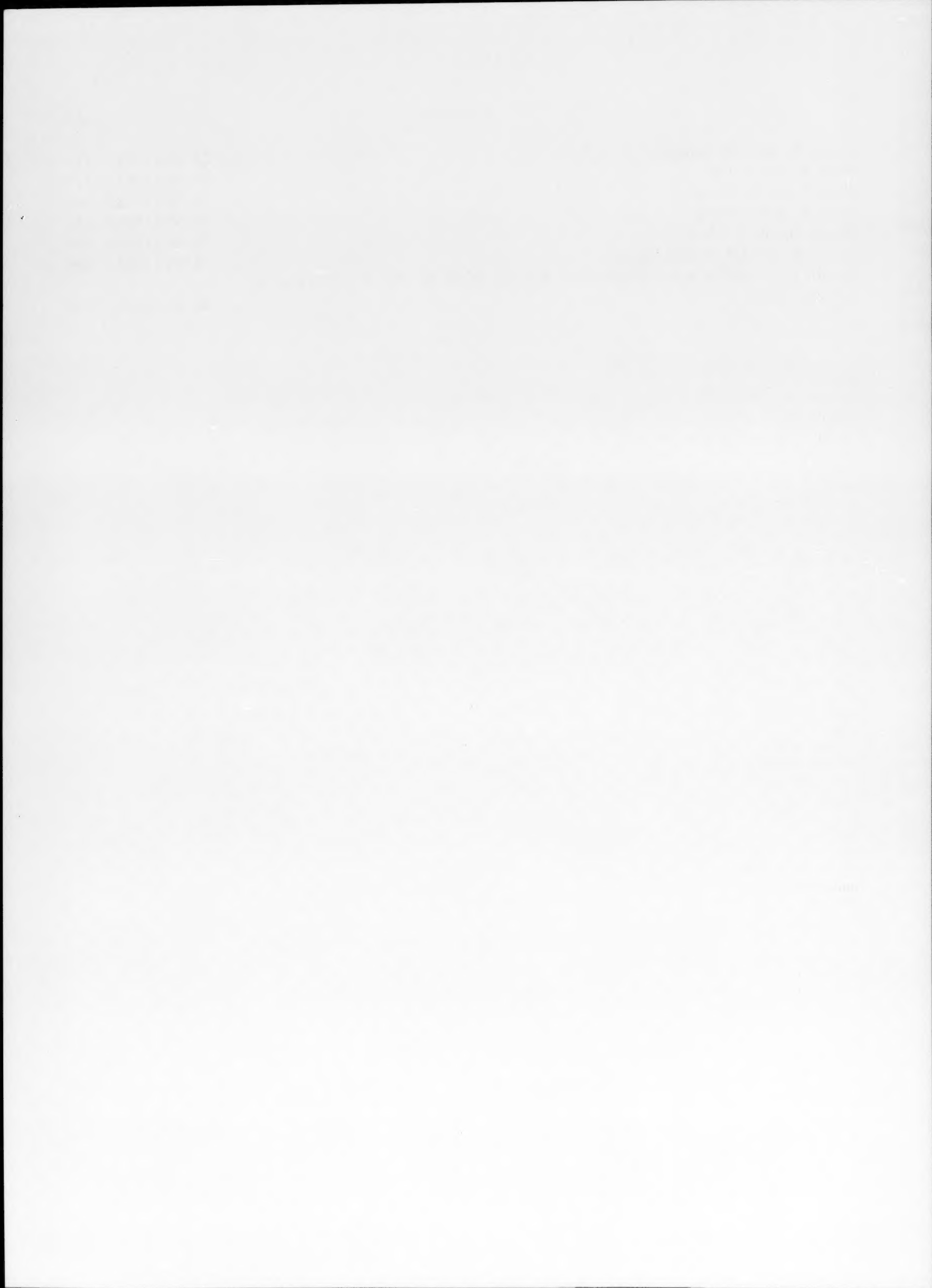
- Takeda, Y., see R. Kanno 28-30 (1988) 1276
- Takkumäki, S., see P. Passiniemi 28-30 (1988) 1001
- Tallon, J., The phase behaviour of silver iodide. Constant stress molecular dynamics simulation 28-30 (1988) 53
- Tallon, J.L., see R.G. Buckley 28-30 (1988) 245
- Tanaka, T., see T. Ohachi 28-30 (1988) 1160
- Tang, S.H., see B.V.R. Chowdari 28-30 (1988) 704
- Tanguy, B., see J.M. Reau 28-30 (1988) 792
- Tani, E., see M. Yoshimura 28-30 (1988) 452
- Taniguchi, I., see S. Yoshikado 28-30 (1988) 173
- Taniguchi, I., see Y. Onoda 28-30 (1988) 179
- Taniguchi, T., see T. Ohachi 28-30 (1988) 1160
- Tannhauser, D.S., see J. Genossar 28-30 (1988) 503
- Tanno, K., see N. Kumagai 28-30 (1988) 862
- Tarento, R.J. and C. Monty, Influence of non-stoichiometry on the oxygen self-diffusion in Co_{1-x}O single crystals 28-30 (1988) 1221
- Taulelle, F., see M. Nabavi 28-30 (1988) 1183
- Teeters, D., see R. Frech 28-30 (1988) 954
- Teeters, D., S.L. Stewart and L. Svoboda, Study of the phase separation and glass transition temperatures of poly(propylene oxide)-thiocyanate salt complexes 28-30 (1988) 1054
- Thackeray, M.M., see G. Pistoia 28-30 (1988) 879
- Thackeray, M.M., see L.A. de Piccioto 28-30 (1988) 1364
- Thomas, J.O., see M.A. Zendejas 28-30 (1988) 46
- Thomas, J.O., see B. Dunn 28-30 (1988) 301
- Thomas, J.O., see W. Carrillo-Cabrera 28-30 (1988) 317
- Thomas, J.O., see K. Edström 28-30 (1988) 363
- Thomas, J.O., see M.A. Saltzberg 28-30 (1988) 1563
- Tolpadi, S.K., see S. Chandra 28-30 (1988) 651
- Tomasi, A., see A. Fontana 28-30 (1988) 722
- Tomoyose, T., see K. Yonashiro 28-30 (1988) 152
- Torell, L.M., see R. Aronsson 28-30 (1988) 204
- Torell, L.M., see L. Börjesson 28-30 (1988) 770
- Torell, L.M., see J. Sandahl 28-30 (1988) 958
- Torell, L.M., see S. Schantz 28-30 (1988) 1047
- Torge, M., see M.D. Ingram 28-30 (1988) 677
- Tributsch, H., see G. Betz 28-30 (1988) 1197
- Trinquet, O., see M.F. Daniel 28-30 (1988) 637
- Tsakiri, M., see I. Samaras 28-30 (1988) 1506
- Tufton, P.J., see J. Upton 28-30 (1988) 1486
- Tuller, H.L., see P.K. Moon 28-30 (1988) 470
- Turković, A. and D. Šokčević, Heat capacity and phase transition in the solid electrolyte $\text{RbCu}_4\text{Cl}_3(\text{I}_{2-x}\text{Cl}_x)$ for $x=0.335$ 28-30 (1988) 276
- Turković, A., Stability of the $\alpha\text{-RbCu}_4\text{Cl}_{3+x}\text{I}_{2-x}$ solid-electrolyte cell 28-30 (1988) 900
- Turrillas, X., A.P. Sellars and B.C.H. Steele, Oxygen ion conductivity in selected ceramic oxide materials 28-30 (1988) 465
- Umegaki, T., see K. Yamashita 28-30 (1988) 660

- Upton, J., J.R. Owen, P.J. Tufton, J.D. Benjamin, B.C.H. Steele and R.A. Rudkin, Fabrication and discharge characteristics of thin film polymer electrolyte cells 28-30 (1988) 1486
- Vacher, R., see L. Börjesson 28-30 (1988) 770
- Valverde, N., see J.R. Jurado 28-30 (1988) 518
- Valverde-Diez, N. and D. Grande-Fernández, Ternary compounds of the system Mg-Mn-O oxygen sensors 28-30 (1988) 1697
- Vayenas, C.G., Catalytic and electrocatalytic reactions in solid oxide fuel cells 28-30 (1988) 1521
- Videau, J.J., see J.M. Reau 28-30 (1988) 792
- Vijh, A.K., see B. Marsan 28-30 (1988) 1058
- Villa, M., see G. Chiodelli 28-30 (1988) 1607
- Villeneuve, G., see P. Laborde 28-30 (1988) 560
- Vincent, C.A., see P.G. Bruce 28-30 (1988) 918
- Vincent, C.A., see F.M. Gray 28-30 (1988) 936
- Vincent, C.A., see M.D. Rogers 28-30 (1988) 1138
- Vinke, I.C., see B.A. Boukamp 28-30 (1988) 1187
- Vinke, I.C., K. Seshan, B.A. Boukamp, K.J. de Vries and A.J. Burggraaf, The electrochemical influence and oxygen exchange properties of mixed conducting electrode materials on solid oxide electrolytes 28-30 (1988) 1201
- Vourlis, H., see J.R. Akridge 28-30 (1988) 841
- Wagner Jr., J.B., see K. Kitajima 28-30 (1988) 1146
- Wagner Jr., J.B., see W. Carillo-Cabrera 28-30 (1988) 1396
- Wagner Jr., J.B., see M.P. Setter 28-30 (1988) 1579
- Wakabayashi, N. and O. Yamamoto, Electrical conductivity and thermal diffusivity of thin Y_2O_3 -stabilized zirconia film 28-30 (1988) 1510
- Walls, J.R., see A. Ovenston 28-30 (1988) 1553
- Wang, C., X. Xu, H. Yu, Y. Wen and K. Zhao, A study of the solid electrolyte Y_2O_3 -doped $CaZrO_3$ 28-30 (1988) 542
- Wang, J.C., see J.B. Bates 28-30 (1988) 115
- Wang, J.C., Comparison of fractal and pore models for electrolyte/electrode interfaces 28-30 (1988) 1436
- Wang, S., see W. Wang 28-30 (1988) 424
- Wang, W., S. Wang, L. Rao, Z. Lu and X. Yi, Study of $Na_{1+x+y}Zr_{2-y}Nd_ySi_xP_{3-x}O_{12}$ fast ion conductors 28-30 (1988) 424
- Wang, W., Z. Zhang, X. Ou and J. Zhao, Properties and phase relationship of the $Na_{1+x}Hf_{2-y}Ti_ySi_xP_{3-x}O_{12}$ system 28-30 (1988) 442
- Wang, Z., S. Song, J. Xie and Q. Zhong, The effect of Al_2O_3 addition on the properties of ZrO_2 (2.4 wt% MgO) solid electrolyte 28-30 (1988) 508
- Wäppling, R., see M.A. Saltzberg 28-30 (1988) 1563
- Ward, R., see T.W.D. Farley 28-30 (1988) 189
- Wassermann, B., T.P. Martin and J. Maier, Electrical properties of the hexagonal modification of lithium iodide 28-30 (1988) 1514
- Watanabe, M., see Y. Onoda 28-30 (1988) 179
- Watanabe, M., Y. Fujiki, S. Yoshikado and T. Ohachi, Structural aspects of the new one-dimensional ionic conductors: $A_xGa_8Ga_{8+x}Ti_{16-x}O_{56}$ ($A=K, Rb$ and Cs , $x \leq 2$) 28-30 (1988) 257

- Watanabe, M., S. Nagano, K. Sanui and N. Ogata, Estimation of Li^+ transport number in polymer electrolytes by the combination of complex impedance and potentiostatic polarization measurements 28-30 (1988) 911
- Watanabe, W., see S. Yoshikado 28-30 (1988) 173
- Wedler, G., Characterization of surfaces and adsorbed species 28-30 (1988) 1411
- Wei, G., see R.B. Goldner 28-30 (1988) 1715
- Weimhöfer, H.-D., see M. Kleinfeld 28-30 (1988) 1111
- Weller, M.T., see R.G. Bell 28-30 (1988) 601
- Wen, T.L., Z.Y. Lu and S.F. Li, Influence of thermal cycle on conductivity of YSZ 28-30 (1988) 475
- Wen, T.L., Z.Y. Lü and X.F. Li, Estimation of n -type conductivity of ZrO_2 28-30 (1988) 1592
- Wen, Y., see C. Wang 28-30 (1988) 542
- Weppner, W., see R. Kniep 28-30 (1988) 1271
- Weppner, W., see J. Nowotny 28-30 (1988) 1445
- Weppner, W., see N. Nicoloso 28-30 (1988) 1637
- West, A.R., see J.T.S. Irvine 28-30 (1988) 214
- West, A.R., see G.K. Duncan 28-30 (1988) 338
- West, A.R., see W.B. Reid 28-30 (1988) 681
- West, K., see R. Koksang 28-30 (1988) 868
- West, K., see S. Skaarup 28-30 (1988) 975
- West, K., B. Zachau-Christiansen, T. Jacobsen and S. Skaarup, Sodium insertion in vanadium oxides 28-30 (1988) 1128
- West, K., see B. Zachau-Christiansen 28-30 (1988) 1176
- Wezel, W., see R. Kniep 28-30 (1988) 1271
- Wieczorek, W., see J. Płocharski 28-30 (1988) 979
- Wieczorek, W., J. Płocharski, J. Przyłuski, S. Głowinkowski and Z. Pająk, Impedance spectroscopy and phase structure of PeO-NaI complexes 28-30 (1988) 1014
- Wieggers, G.A., A.G. Gerards, H. Roede, R.J. Haange and B.A. Boukamp, The stability of intercalation compounds Ag_xTaS_2 28-30 (1988) 1116
- Wiemhöfer, H.D., see W. Göpel 28-30 (1988) 1423
- Wiemhöfer, H.D., see K.D. Schierbaum 28-30 (1988) 1631
- Williams, H.M., see K.C. Andrews 28-30 (1988) 929
- Wintersgill, M.C., see D.R. Figueroa 28-30 (1988) 1023
- Wintersgill, M.C., see S.G. Greenbaum 28-30 (1988) 1042
- Wnętrzewski, B., see J.L. Nowiński 28-30 (1988) 804
- Wolska, E. and W. Szajda, The effect of cationic and anionic substitution on the α - $(\text{Al}, \text{Fe})_2\text{O}_3$ lattice parameters 28-30 (1988) 1320
- Wolska, E., Relations between the existence of hydroxyl ions in the anionic sublattice of hematite and its infrared and X-ray characteristics 28-30 (1988) 1349
- Wong, K.K., see R.B. Goldner 28-30 (1988) 1715
- Worrel, W.L., High-temperature applications of solid-state ionics 28-30 (1988) 1215
- Worrell, W.L., see Q.C. Liu 28-30 (1988) 1419
- Worrell, W.L., see Q.-G. Liu 28-30 (1988) 1668
- Wu, W., see S. An 28-30 (1988) 546
- Wuensch, B.J., see M. Oliveria 28-30 (1988) 1332
- Wussow, K., see H. Lutz 28-30 (1988) 1282
- Xie, J., see Z. Wang 28-30 (1988) 508

- Xu, G. and L. Chen, Lithium diffusion in WO_3 films 28-30 (1988) 1726
 Xu, X., see C. Wang 28-30 (1988) 542
- Yamai, H., see T. Ohachi 28-30 (1988) 1160
 Yamamoto, O., see R. Kanno 28-30 (1988) 1276
 Yamamoto, O., see N. Wakabayashi 28-30 (1988) 1510
 Yamashiro, M., see K. Yonashiro 28-30 (1988) 152
 Yamashita, K., H. Owada, T. Umegaki, T. Kanazawa and T. Futagami, Ionic conduction in apatite solid solutions 28-30 (1988) 660
 Yang, L., A. Zhang, B. Qiu, J. Yin and Q. Liu, Effects of thermal history on lithium salt-poly(ethylene) complex polymer electrolytes 28-30 (1988) 1029
 Yang, P., see G. Meng 28-30 (1988) 533
 Yankulov, P.D., see G. Staikov 28-30 (1988) 373
 Yazami, R., see Y. Chabre 28-30 (1988) 1153
 Yazami, R. and A. Hamwi, A new graphite fluoride compound as electrode material for lithium intercalation in solid state cells 28-30 (1988) 1756
 Yde-Andersen, S., see R. Koksang 28-30 (1988) 868
 Yi, X., see W. Wang 28-30 (1988) 424
 Yin, J., see L. Yang 28-30 (1988) 1029
 Yokogawa, Y., M. Yoshimura and S. Somiya, Order-disorder in R_3TaO_7 (R = rare earth) phases 28-30 (1988) 1250
 Yokokawa, H., see T. Kawada 28-30 (1988) 210
 Yonashiro, K., T. Tomoyose, E. Sakai, M. Yamashiro and M. Kobayashi, Thermal conduction by mobile ions in superionic conductors 28-30 (1988) 152
 Yoshikado, S., T. Ohachi, I. Taniguchi, W. Watanabe, Y. Fujiki and Y. Onodo, Ionic conduction of new one-dimensional ionic conductors with large tunnels: $\text{A}_x[\text{Ga}_8\text{Ga}_{8+x}\text{Ti}_{16-x}\text{O}_{56}]$ (A=K, Rb, or Cs, $x \leq 2$) 28-30 (1988) 173
 Yoshikado, S., see Y. Onoda 28-30 (1988) 179
 Yoshikado, S., see M. Watanabe 28-30 (1988) 257
 Yoshimura, M., K.J. Kim, E. Tani and S. Somiya, Establishment of the equilibrium phase diagrams in fluorite-related systems, $\text{ZrO}_2\text{-CeO}_2$ and $\text{SrF}_2\text{-LaF}_3$, by hydrothermal techniques 28-30 (1988) 452
 Yoshimura, M., see Y. Yokogawa 28-30 (1988) 1250
 Yu, H., see C. Wang 28-30 (1988) 542
- Zachau-Christiansen, B., see R. Koksang 28-30 (1988) 868
 Zachau-Christiansen, B., see S. Skaarup 28-30 (1988) 975
 Zachau-Christiansen, B., see K. West 28-30 (1988) 1128
 Zachau-Christiansen, B., K. West, J. Jacobsen and S. Atlung, Lithium insertion in different TiO_2 modifications 28-30 (1988) 1176
 Zanchetta, J.V., see J.C. Giuntini 28-30 (1988) 142
 Zarudiansky, A., see P. Judeinstein 28-30 (1988) 1722
 Zendejas, M.A. and J.O. Thomas, A molecular dynamics simulation study of long-range ionic distributions in Na^+ β'' -alumina 28-30 (1988) 46
 Zerouale, A., B. Cros, B. Deroide and M. Ribes, Electrical properties of $\text{Ag}_7\text{GeSe}_5\text{I}$ 28-30 (1988) 1317
 Zhang, A., see L. Yang 28-30 (1988) 1029
 Zhang, Z., see W. Wang 28-30 (1988) 442

Zhang, Z., see J.H. Kennedy	28-30 (1988) 726
Zhao, H., see X. Pan	28-30 (1988) 1470
Zhao, J., see W. Wang	28-30 (1988) 442
Zhao, K., see C. Wang	28-30 (1988) 542
Zhong, Q., see Z. Wang	28-30 (1988) 508
Znaidi, L., see J.P. Pereira-Ramos	28-30 (1988) 886
Znaidi, L., N. Baffier and D. Lemordant, Kinetics of the H^+/M^+ ion exchange in V_2O_5 xerogel	28-30 (1988) 1750



SUBJECT INDEX

- ac conductivity
 - glas, 747
 - measurement, 1305
- ac impedance measurement, 1579
- Acceleration sensor, 1664
- Activation energy, 512
- Activation volume, 965
- Additive colouring, 280
- Admittance spectroscopy, 381, 804
- Adsorption, 1411, 1462
- AES, 1473
- Aging
 - zirconia, 493
- Aliovalent
 - cations, 1371
 - doping, 168, 1682
- Alkali borate glass, 687
- Alkali ion conductor, 257
- Alkali metal intercalation, 419
- Alkali metal titanate, 1338
- Alkali phosphate, 214
- Alkali salt intercalation, 210
- Alkali sulfate, 1329
- All-gell technique, 1722
- Alumina, 983
 - fibers, 1065
- Aluminium sulfide glass, 756
- Ambipolar diffusion, 1160
- Ammonium ferrocyanide hydrate, 647
- Amorphous fast ion conductor, 1470
- Amorphous PEO, 994
- Anatase, 1176
- Anharmonic temperature factor, 497
- Anharmonic vibration, 1332
- Anion disorder, 449
- Anion substitution, 267
- Anion-excess fluorites, 1300
- Annealing effects, 1396
- Anode-electrolyte interface, 1406
- Anomalous transport, 34
- Apatite solid solutions, 660
- Auger electron spectroscopy, 1470

- Ba-Al-priderite, 179
- Battery, 873, 1128, 1567
- Beta-alumina, 306, 324, 333, 348
 - structure, 324
- Beta"-alumina, 3, 46, 317, 324, 338, 348, 363, 369, 381, 386, 1142, 1563
 - properties
 - microstructural, 358
 - optical, 358
- Binary sulfate salts, 262
- Bismuth lead oxide, 524
- Bismuth lead oxyfluoride, 458
- Bismuth oxide, 831, 1187
- Borophosphate, 766
- Brillouin scattering, 204, 770, 958
- Bronze, 886

- Calcium zirconate, 542
- Carbide, 983
- Carbon, 1701
- Carbon dioxide, 1644
- Catalysis, 241, 1553
- Catalytic electrode, 1521
- Catalytic reduction, 173
- Cation disorder, 1250
- Cation distribution, 1290
- Cation-network interaction, 687
- Ceramic, 579
- Ceramic reactor, 1547
- Ceria, 550, 573
- Cerium phosphate, 617
- Cesium conduction, 173
- Channel structure, 1259
- Characterisation, 1411
- Charge transfer process, 173
- CHEMFET, 1625
- Chemical diffusion, 1596
 - coefficient, 1138
 - in WO, 1726
- Chemical preparentia, 391
- Cluster formation, 1300
- Cluster-bypass model, 677
- Cobaltous oxide, 983
- Combustion control, 1677
- Composite, 3, 1098, 1465
- Composite electrode, 847, 1138, 1192
- Composite electrolyte, 1065, 1073
- Composite ionic conductor, 82
- Composite solid electrolyte, 979
- Compressibility, 664
- Computer simulation, 185

- Concentration cell, 579
Conductance structure relation, 1271
Conductive polymer, 1192, 1738
Conductivity, 271, 566, 637, 979, 990, 994, 1004, 1042, 1098, 1773
 frequency dependent, 129
 measurement, 550, 1465
 mechanism, 163, 168, 411, 1282, 1611
Contact noise, 396
Copolymer, 994, 1001
Copper ion
 conductor, 873
 mobility, 1111
Correlation factor, 108, 671
Corundum-hematite solid solution, 1320
Coulomb interaction, 86
Coulometric titration, 1244
Counter electrode, 1733
CPA impedance, 1441
Cross-linked polyether, 1032
Cryolite structure, 465
Crystal
 data, 1282
 structure, 1276, 1294, 1329
Crystallographic search program, 480
Crystobalite-type structure, 237
Cu diffusion (CuInSe) junctions, 1105
Cyclability measurement, 1540

Data analysis, 1187, 1602
dc polarisation, 811, 814, 1579
dc conductivity, 249
Decomposition, 333, 900
Defect, 185, 1235
Defect structure, 983
Dehydration, 1349
Density functional, 58
Density profiles, 58
Density wave, 67
Depolarisation, 1038
Dielectric loss, 1553
Dielectric property, 449
Dielectric relaxation, 1023, 1617
Dielectric response, 115
Differential scanning calorimetry, 377
Diffuse scattering, 254, 1208
Diffusion, 72, 294, 1364
 lithium, 189
 oxygen, 1221
Diffusion-limited current method, 1677
Dilatometer measurement, 539
Disorder, 1317
Disordered medium, 34
Display, 1722
Divalent beta"-alumina, 354, 377
Divalent cation, 990
Divalent ion, 1142
Divalent ion exchange, 369
Doping, 1205
Double stabiliser, 533
DSC, 354, 1029, 1042, 1317
Durability, 681
Dynamic disorder, 120
Dynamics of polymers, 958

EBIC, 1105
Effective mass
 electrons, holes, 1160
Effective potential, 3
Elastic constants, 204
Electric modulus spectroscopy, 306
Electric characterisation, 1579
Electrical conductivity, 214, 224, 228, 267, 294, 458, 546, 799, 821, 983, 1142, 1146, 1371, 1396, 1697
Electrical properties, 1205
Electrically conductive polymer, 1504
Electrocatalysis, 1521, 1547
Electrochemical cell, 1486, 1490
Electrochemical intercalation, 419, 1116
Electrochemical reactor, 1547
Electrochemical sensor, 1660
Electrochromic displays, 1715, 1733
Electrochromics, 1707
Electrochromism, 1722, 1738
Electrode, 1436, 1701
Electrode material, 831, 1153
Electrode polarisation, 1187
Electrode reaction, 1004
Electrode-electrolyte interface, 1388
Electrolysis, 1510
Electrolyte, 918, 1004, 1009, 1653
Electron beam bombardment, 1470
Electron center, 280
Electron emission, 200
EMF, 1506
 oxides, 1586
Enthalpy of formation, 1123
EPMA, 1473
ESR, 518
Ethylene oxide-propylene oxide, 1001
Eutectic, 1098
EXAFS, 713
Exchange current, 1419

F motion, 560
Far-infrared spectra, 687
Ferrites, 333, 1357
Ferroelectrics, 752
Fluorite ionic conductor, 210, 452
Fluorite-type compounds, 1300
Fluoro-chlorozirconate, 1004
Four-electron cell, 918
Fractal electrode, 1441
Fractal structure, 34

- Fractals, 3, 722, 1436, 1637
Framework material, 3
Framework structure, 233, 1259
Free volume model, 1317
FTIR, 1506
Fuel cell, 573, 579, 1521, 1558
- Galvanic cell, 1078
Galvanostatic intermittent titration, 1324
Galvanostatic technique, 1596
Gas sensor, 1613
Gel, 1653
Gibbs free energy of formation, 1254
GITT, 1153, 1324
Glass, 3, 129, 148, 671, 677, 713, 722, 726, 752, 762, 766, 770, 792, 804, 808, 811, 841, 1473, 1490, 1572
 battery, 814
 network modifier, 747
 transition temperature, 756, 1054
Glassy electrolyte, 821
Goethite, 1349
Grain boundary, 1235
 conduction, 475
 diffusion, 1377
 effects, 550, 1396, 1465, 1682
 resistance, 1451
Graphite, 1172
Graphite fluorination, 423
Grotthus mechanism, 589, 651
- Halide electrolyte, 1693
Hall effect, 588
Hall mobility, 1506, 1572
Haven ratio, 95
Heat capacity, 276, 432
 β -alumina, 377
Hematite, 1349
High defect concentration, 241
High temperature, 488
High-temperature sensor
 O_2 , SO_2/SO_3 , S, 1688
Hopping conductivity, 63, 138
Hopping motion, 100
Hopping transport, 120
 theory, 129, 134
Humidity, 617
Humidity sensor, 1456
Hydride ion, 1660
Hydride ion conducting liquid, 1084
Hydrogen cell, 1078
Hydrogen electrolysis, 622
Hydrogen electrolyte, 1084
Hydrogen insertion, 1294
Hydrogen partial pressure, 1688
Hydrogen sensor, 573, 1660
Hydrogen transparent mixed conduction, 1084
Hydrogen transport, 1078
Hydrogen uranyl phosphate, 847
- Hydrohematite, 1349
Hydrostatic pressure, 778
Hydrothermal technique, 452
Hydroxide ion, 656
Hydroxyapatite, 1456
Hydroxyl conduction, 660
Hydroxyl ion, 1349
- Impedance, 115, 911, 1402, 1436
Impedance analysis, 518
Impedance measurement, 159, 936, 1451
Impedance spectroscopy, 381, 550, 979, 1014, 1462, 1602, 1607, 1682
Impurity diffusion, 1230
Indium selenide, 1167
Inertia EMF sensor, 1664
Insertion
 lithium, 1176
 compounds, 1123
 electrode, 1183, 1479
Interacting particles, 72
Intercalation, 736, 886, 1116, 1172, 1364, 1567
 lithium, 1167
 cathode, 841, 853
 compounds, 210, 1506
Interface, 3, 396, 1235, 1402, 1436, 1462
Interface enhancement, 1093
Interface impedance, 1388
Interface percolation, 82
Interfacial contact, 975
Interfacial impedance, 994, 1462
Intergrowth structure, 257
Interstitialcy mechanism, 363
Intrinsic ionic conductivity, 1310
Ion correlations, 437
Ion dynamics, 1287
Ion exchange, 1750
 kinetics, 373
 thermodynamics, 373
Ion pairs, 1047
Ion transport, 941, 1773, 1778
Ion exchange, 1750
Ion-ion correlation in β -alumina, 324
Ionenes, 941
Ionic and electronic conductivity, 799
Ionic conductivity, 63, 89, 159, 163, 168, 237, 369, 442, 627, 739, 799, 923, 958, 1001, 1032, 1138, 1276, 1160
Ionic conductivity profile, 1495
Ionic diffusion coefficients, 512
Ionic Hall effect, 1572
Ionic radius, 148
Ionic transport number, 579
Ionomeric networks, 1032
Ionomers, 950
Iontophoresis, 1778
IR, 783
Iron diffusion in CoO, 1230
Isothermal transient ionic current, 647

- Jump relaxation, 606
- Kalium conduction, 173
- Kaolinite, 142
- KCl-KBr mixed crystals, 241
- Langevin dynamics, 3
- Lanthanum manganites, 1205
- Lattice dynamics, 1208
- Lattice gas, 152
- Layered structure, 210, 529
- Li⁺ conductor, 766, 1271
- ⁷Li NMR, 762
- Li-Ca sulfate, 1093
- Ligand field spectra, 1290
- Li-Mg sulfate, 1093
- Lipid bilayer, 1773
- Liquid-like transport, 651
- Lithium, 1567
- Lithium activity, 1660
- Lithium alloy, 1406
- Lithium aluminium oxide, 611
- Lithium-based glass, 717
- Lithium battery, 841, 853, 857, 862, 1183, 1406, 1506, 1756
- Lithium compounds, 224
- Lithium conducting glass, 726
- Lithium correlation time, 762
- Lithium diffusion, 1089
- Lithium double chloride spinels, 1276
- Lithium glass, 729, 752, 770
- Lithium halides, 1282
- Lithium insertion, 868, 886, 1357
- Lithium intercalation, 1756
- Lithium intercalation compound, 1153
- Lithium ion conductor, 267, 756
- Lithium ion coordination, 267
- Lithium nitride, 975
- Lithium phosphoarsenate glass, 747
- Lithium polymer, 923
- Lithium-polymer-electrolyte interface, 1431
- Lithium salts, 1032
- Lithium stabilised, 301
- Lithium sulfate, 262
- Lithium sulfate conductor, 220
- Lithium transference number, 950
- Low temperature, 1701
- Luminescence spectra, 311
- Magnesium battery, 857
- Membrane transport, 1778
- Mercuric iodide, 1146
- Metastable structure, 358
- Methane oxidation, 1547
- Meyer-Neldel rule, 89
- Microionics, 1479
- Microstructure, 386
- Microwave spectroscopy, 1617
- Mixed alkali effect, 3, 138, 249, 677
- Mixed beta"-alumina, 344
- Mixed conductor, 693, 1160, 1215, 1579
- Mixed ferrite, 1357
- Mixed ion effect, 306
- Mixed ions system, 348
- Mixed phase electrolyte, 975
- Mixed valency, 386
- Mixed vitreous conductor, 736
- Mobile ion concentration, 710
- Modernite, 627
- Molecular dynamics, 46
- Molecular dynamics calculation, 41
- Molecular dynamics simulation, 53, 148
- Molten salts, 262
- Molybdate, 233
- Molybdophosphoric acid, 1558
- Monte Carlo calculation, 82, 95
- Monte Carlo simulation, 72, 86
- Montmorillonite, 142, 210, 1596
- Mössbauer spectroscopy, 1563
- Multiphase, 1745
- Multiple ion exchange, 344
- Na conductor, 237
- Na ionic conductivity, 233
- Na⁺ ion conduction, 432
- Na⁺ ion conductor, 437, 442, 1123
- Nafion, 1653
- NASICON, 403, 411, 419, 424, 427, 437, 622, 979
- phase transition, 427
- NASICON-type compounds, 442
- NASICON-type phases, 432
- Network formers, 811
- Neutron diffraction, 284, 1294, 1300, 1332
- Neutron elastic Bragg scattering, 497
- Neutron powder diffraction, 458, 601
- Neutron quasielastic scattering, 1352
- Neutron scattering, 189, 488, 1611
- Nickel cadmium battery, 1132
- Nickel hydroxide electrodes, 1132
- Nickel oxyhydroxide, 1132
- Niobium vanadium bronze, 862
- NMR, 134, 179, 560, 664, 969, 1042, 1329
- β-radiation detected, 717
- relaxation, 710
- Nonblocking electrode, 1441
- Nonstoichiometry, 539, 1221, 1344
- O²⁻ anion conductor, 529
- One-dimensional ionic conductor, 173, 179
- One-dimensional ordering, 254
- Optical properties, 344, 386
- Order-disorder transition, 432
- Ordering phenomena, 348
- Oxide catalyst, 1558
- Oxide conductor, 470

- Oxide fuel cell, 1521
Oxide ion conductivity, 533, 566, 579
Oxide ionic conductor, 452
Oxides, 1215
Oxyfluoride solid solution, 560
Oxygen, 1648
Oxygen ion conductivity, 465
Oxygen conductor, 480
Oxygen exchange, 831
Oxygen ion conductor, 524
Oxygen partial pressure, 518
Oxygen probe, 542
Oxygen self-diffusion, 1344
Oxygen sensor, 1637, 1693, 1697, 1701
Oxygen separation, 524
Oxygen-vacancy ordering, 1250
- "p" doping, 1738
Partial electronic conductivity, 808
Partially stabilized zirconia, 546
Path of motion, 41
Path-probability method, 108, 138
PEO, 868, 975, 1004, 1018
Perovskite structure, 465, 579, 1205
Perovskite-type oxides, 173
Phase analysis, 660
Phase diagram, 53, 262, 338, 452, 539, 660, 1009, 1310, 1324
 Li-Al-O-H, 611
Phase relation, 1265
Phase separation, 1054
Phase transition, 200, 224, 276, 437, 1276, 1617
 under high pressure, 241
Phosphate glass, 778
Photoelectric effect, 200
Photoelectrochemical cell, 1058
Photoelectrochemical insertion, 1197
Photoluminescence, 280, 1197
Piezoelectric-deformation coupling, 67
Plasma sprayed electrolyte, 1766
Point defect, 518
Poly(phosphazene), 1042
Polyacrylic acid, 632
Polyelectrolytes, 941, 950
Polyether electrolytes, 965
Polyethene oxide, 632, 895, 936, 1486
Polyethyleneimine, 637
Polymer, 3, 1653
Polymer electrolyte, 853, 857, 895, 911, 936, 979, 990, 1014, 1029,
 1042, 1047, 1054, 1486
Polymer semiconducting, 1197
Polymer solid electrolyte, 1018, 1058, 1406
Polymeric ionic conductor, 120, 1344
Polymeric protonic conductor, 969
Polypyrrole, 1540
Potassium chloroniobate, 271
Potassium chlorotantalate phase transitions, 271
Potassium magnesium titanate, 1553
Potassium-halide mixed crystals, 1310
Potential calculation, 411
Potentiostatic step technique, 1596
Pre-exponentials, 89
Pressure-induced phase transition, 664
Probability density function, 497
Proton conducting oxides, 573, 585
Proton conducting polymer, 1729
Proton conduction, 589, 847
 in oxides, 1586
Proton conductivity, 579, 617, 1456
Proton conductor, 142, 544, 601, 607, 622, 632, 637, 642, 651,
 664, 1558
Proton diffusion coefficient, 1352
Proton exchange, 1338
Proton injection, 1607
Proton motions, 1352
Proton transfer reaction, 1197
PTFE, 1701
Pulsed field gradient, 969
PVDF, 1038
Pyrochlore-type structure, 1762
- Quasichemical approximation, 276
Quasielastic light scattering (QELS), 512
Quasielastic neutron scattering, 100
Quenching effects, 493
- Radial pair distribution function, 86
Raman resonance shift, 1167
Raman scattering, 722
Raman spectra, 778, 1047
Raman spectroscopy, 220, 607, 778, 1047
Random ac, 82
Rapid quenching, 228, 1371
Rare earth oxides, 566
Rare earth tantalates, 1250
Rb conduction, 173
Rechargeable battery, 1540
 lithium, 862
Redox, 950
Redox potentials, 613
Redox stability, 739
Reduction, 518
Relaxation times of cation disorder, 1290
Response of electrodes for O₂ reduction, 1673
Rietveld structure refinement, 601
Rotator phase, 163
Rutile, 698, 1176, 1344
- Salt-complexed P(EO), 1023
Samarium phosphate glass, 778
Secondary lithium battery, 862
Secondary lithium cells, 879
Segregation, 1235, 1445
Selenide glass, 743
Self-diffusion, 86, 965

- Self-discharge, 1540
Sensor, 1215, 1423, 1479, 1625, 1644, 1648, 1688, 1693
Silicate, 1254
Silicate glass, 681
Silver glass, 704, 713, 732, 788, 808, 814
Silver halide, 294
Silver ion conducting glass, 710, 722
Silver ion conductor, 228, 873, 1371, 1664
Silver mercury iodide, 194
Silver solid state cell, 732
Silver tellurium, 1324
Single crystal, 403
 preparation, 301
Sintering, 508
Size effects, 148
Smart windows, 1707
SO_x gas sensor, 1419
Sodium, 1128
Sodium battery, 857, 1172
Sodium beta-alumina, 1611
Sodium beta"-alumina, 396, 1462
Sodium insertion, 868, 1123
Sodium ion conductor, 214, 424
Sodium nickelate, 1132
Sodium sulfate, 1682
Sol-gel, 403
 process, 886
Solid electrolyte, 257, 276, 432, 437, 442, 508, 518, 542, 579,
 693, 743, 766, 841, 1142, 1153, 1215, 1490, 1514,
 1644, 1648
Solid proton conductor, 847
Solid solution, 159
Solid state (electrochemical) oxygen sensor, 1677
Solid state battery, 841, 847, 857, 895
Solid state chemistry, 1563
Solid state galvanic cell, 900, 1668
Solid state NMR, 1287
Solid state O₂-sensor, 1673
Solvated lithium halides, 1271
Space charge, 1465
Spectroscopy, 1411
Spin-lattice relaxation, 100, 1089
Spinel, 338, 879, 1282, 1290, 1364
Stabilised ZrO₂, 1673, 1677
Stabilised bismuth oxide, 518
Stabilised zirconia, 488, 518
Stability, 726, 923
Steam electrolysis, 611
Stoichiometry, 338, 403
Structural investigation, 497
Structure, 254, 344, 1514
 Ln₃TaO₇, 1250
Sulfate, 163, 168, 224
Sulfate electrolyte, 1419
Sulfide, 1215
Sulfide glasses, 739, 756, 762
Superconductor, 1745
Superionic conductor, 58, 67
Surface, 1411, 1423
Surface analysis, 1473
Surface conductivity, 1456, 1637
Surface defect, 1445
Surface layer, 681
Surface transport, 1473
Synthesis, 627

Tellurium silver, 1324
TEM, 333
TeO₂ glass forming networks, 729
Ternary compound, 1697
T_g determination, 739
Thermal conductivity, 152
Thermal history, 358, 377, 1029
 Pb-β"-Al₂O₃, 354
 effect of, 1451
Thermal motion, 284
Thermal transition, 377
Thermally stimulated depolarisation current, 1023
Thermodynamics, 194, 1244
Thermolysis, 1338
Thin film, 1495, 1506, 1510, 1613, 1766
 technology, 1715, 1738
Time domain spectroscopy, 936
Titanium nickel hydrides, 1244
Titanium phosphate, 419
Transference number, 918
Transient conductivity, 1038
Transparent electrodes, 1707
Transport number, 911, 1001, 1009, 1146, 1586
Transport theory, 152
Tricritical point, 194
Trivalent β"-Al₂O₃, 317
Tungsten bronze, 1553
Tunnel structures, 173, 257

Ultrasonic attenuation, 67
Ultrasonic study, 788
Ultrasonic treatment, 241
Ultrasonic wave velocity, 778
Uranium oxides, 1123

Vanadium bronze, 853
Vanadium oxide, 1128
Vanadium pentoxide gels, 1750
Vehicle mechanism, 589, 651
Very slow scanning voltamperometry (VSSV), 1153
Voltammetry, 1506

Water electrolysis, 1682
Water vapour electrolysis, 1510
Water vapour pressure dependence, 642
Weak electrolyte model, 671, 1572
WO₃ film, 1726, 1729
WO₃/PEO-H₃PO₄ interface, 1729
Work function, 1445, 1625

X-ray crystal structure, 458

X-ray diffraction, 363, 403

XPS, 1473

Zeolite, 241, 249

Zirconia, 173, 475, 497, 508, 546, 550, 1445, 1451, 1510, 1766

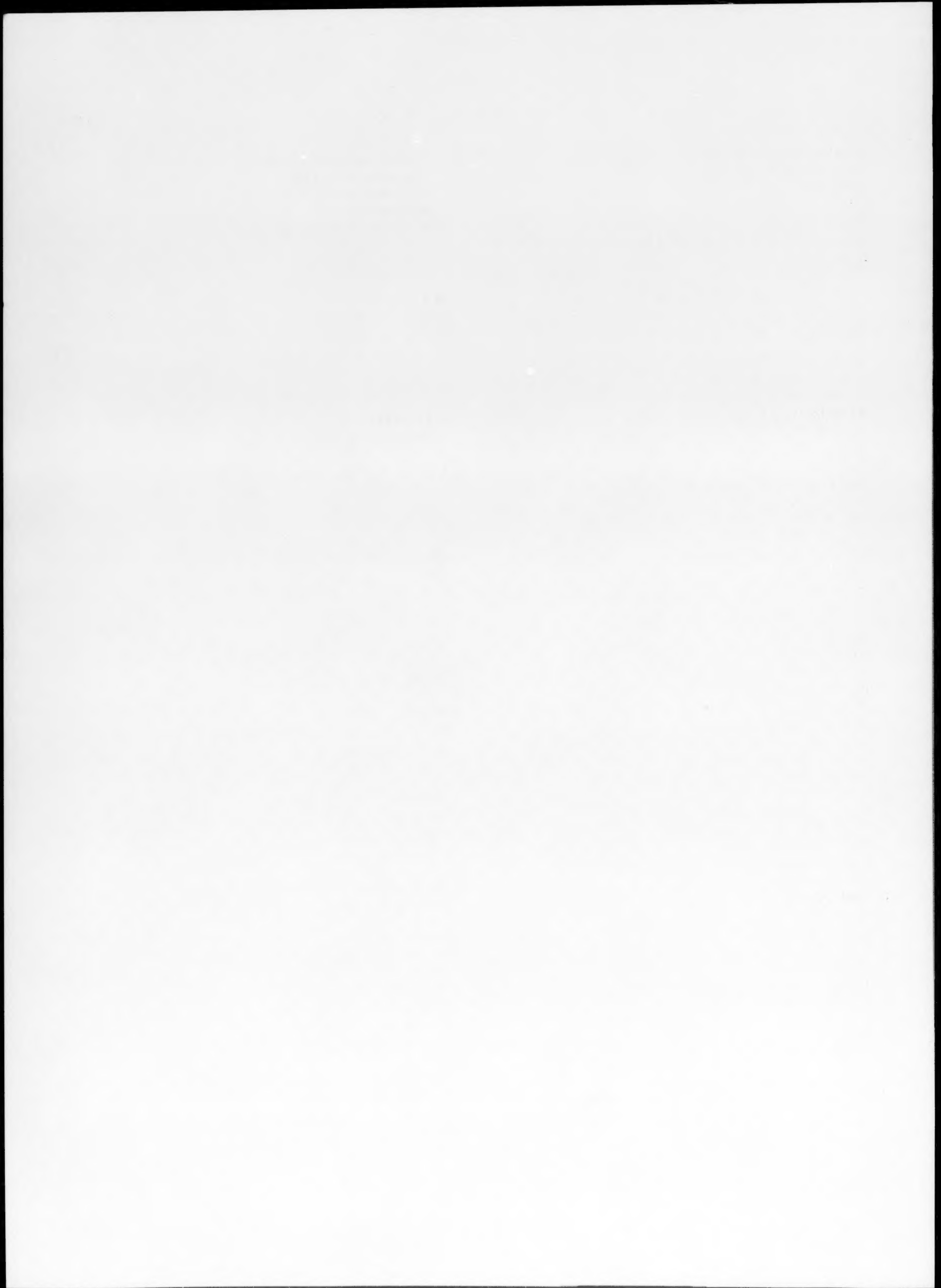
electronic conductivity, 1592

ionic conductivity, 1592

ytterbium-stabilised, 512

yttria-stabilised, 493

ZrSe₂ (zirconium diselenide), 1153



COMPOUND INDEX

- $A_6B_2O_{11}$ (A=Sr, Ba, B=Nb, Ta), 465
 Ag- β'' - Al_2O_3 , 1402
 AgCl, 1073, 1495, 1065
 Ag₇GeSe₅I, 1317
 AgI, 53, 58, 204, 1402
 AgI-Ag₂O-CrO₃ glass, 799
 AgI-Ag₂O-P₂O₅ glass, 804
 Ag₂O: MoO₃: P₂O₅ glass, 704
 Ag₂S, 58, 1160
 Ag₂SO₄, 1371
 Ag₃SI, 58
 Ag₃TaS₂, 116
 α -Ag₂Te, 41
 α -Ag₂X (X=S, Se), 95
 α -Ag₂Se, 1332
 α -Cu_{2-x}X (X=S, Se), 1332
 α -RbCu₄Cl_{3+x}I_{2-x}, 900
 As₂S₃-Ag₂S glass, 792
 As₂S₃-AgI glass, 792

 Ba- β'' - Al_2O_3 , 381
 BaCeO, 585
 β -CuCl, 284
 β -NMR, 717
 Bi₂O₃, 480
 Bi₂O₃-based oxide, 566
 Bi₂O₃-based solid electrolyte, 533
 Bi₂O₃-Pr₆O₁₁ anode, 1547
 Bi₄V₂O₁₁, 529

 $Ca_{1-(x+y)/2}Li_xFe_{2-x}Sn_xO_4$, 1357
 $Ca_{1-x/2}Fe_{2-x}Sn_xO_4$, 1357
 Ca- β'' - Al_2O_3 , 381
 CaFe₂O₄ structure, 1357
 Cd²⁺- β'' - Al_2O_3 , 373
 Cd- β'' - Al_2O_3 , 381
 Ce-O, 539
 CeO₂, 1377
 CoO, 1230, 1221
 CO₂ sensor, 1456
 CuInS₂, 1111
 CuInSe₂, 1105, 1111

 FeS, 1567
 Fluorine-doped Na₂O·B₂O₃, 783

 γ -CuCl, 284
 Gd₂(Zr_{0.3}Ti_{0.7})₂O₇, 470
 GeSe₂, 743

 $H_2Ti_3O_7$, 1338
 $H_2Ti_5O_{11} \cdot 3H_2O$, 1338
 Hg- β'' -alumina, 391
 HTaWO₆·xH₂O, 642

 KCr₃O₈, 868

 LaCl₃, 1653
 Lanthanide β'' - Al_2O_3 , 317
²Li, 1287
 LiAgSO₄, 204
 Li₃AlO₄, 656
 LiClO, 1001
 LiCr₃O₂, 868
 Li_{1+x}Ge_{2-x}M³⁺P₃O₁₂, 1265
 LiI, 743, 1089, 1514
 Li₂MCl₄, 1282
 Li₂O, 185, 189
 Li₂O-B₂O₃-TeO₂, 729
 LiOH, 267
 Li₂Se, 743
 Li₂SO₄, 204, 267
 LiV₂O₄, 879, 1364

 (MEEP)₄, 1042
 Mg₂Si, 1208
 Mn- β'' -alumina, 391
 MoO₃·2H₂O, 651

²³Na, 1287
 NaAlO₂, 373
 Na- β - Al_2O_3 , 301
 Na- β'' -alumina, 311
 NaCF₃O₈, 1042
 NaCr₃O₈, 868
 Na₃M₂(AsO₄)₃, 1259
 Na₃PO₄, 159
 Na₂SO₄, 159
 Na_{1+x}Zr₂P_{3-x}Si_xO₁₂, 427
 NbS₂, 1138
 Nb_{2-x}V_xO₅, 862
 N₂H₆Cl₂(NH₄)₁₀W₁₂O₄₁·5H₂O, 651
 N₂H₆SO₄, 651
 NiO, 1377, 1396

 Pb- β'' - Al_2O_3 , 354
 PbCl₂Br_{2(1-x)} (0 ≤ x ≤ 1), 1305
 PbF₂, 1693

PbO₂, 1352
PEO(H₃PO₄)_x, 969
PEO-LiBF₄, 1009, 1602
PEO-LiCF₃SO₃, 918
PEO-LiClO₄, 1431, 1602
PEO-Na₂S₄-based electrolyte, 1058

RbAg₄I₅, 200, 280
RbCu₄Cl₃(I_{2-x}Cl_x), 276

Sb₂S₃-AgI glass, 792
Sb₂S₃-Ag₂S glass, 792
SnO₂, 1613
Sr-β"-Al₂O₃, 381
SrCeO₃, 585
SrCl₂, 1688
SrO, 573
SrTi₂O₇, 465

TeO₂, 736
TiO₂, 1423, 1637
TiO₂(B), 1176, 1338
TiS₂, 1567
cathode, 747
Ti_xV₅S₈, 254

V₂O₅, 736, 1183
V₆O₁₃, 1567
V₂O₅-doped Li₂O : B₂O₃ glass, 821

WO₃, 1762
WO₃ film, 1726, 1729

YBa₂Cu₃O_{7-x}, 1745
YSZ, 475

ZrO₂, 115, 508, 1637